

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

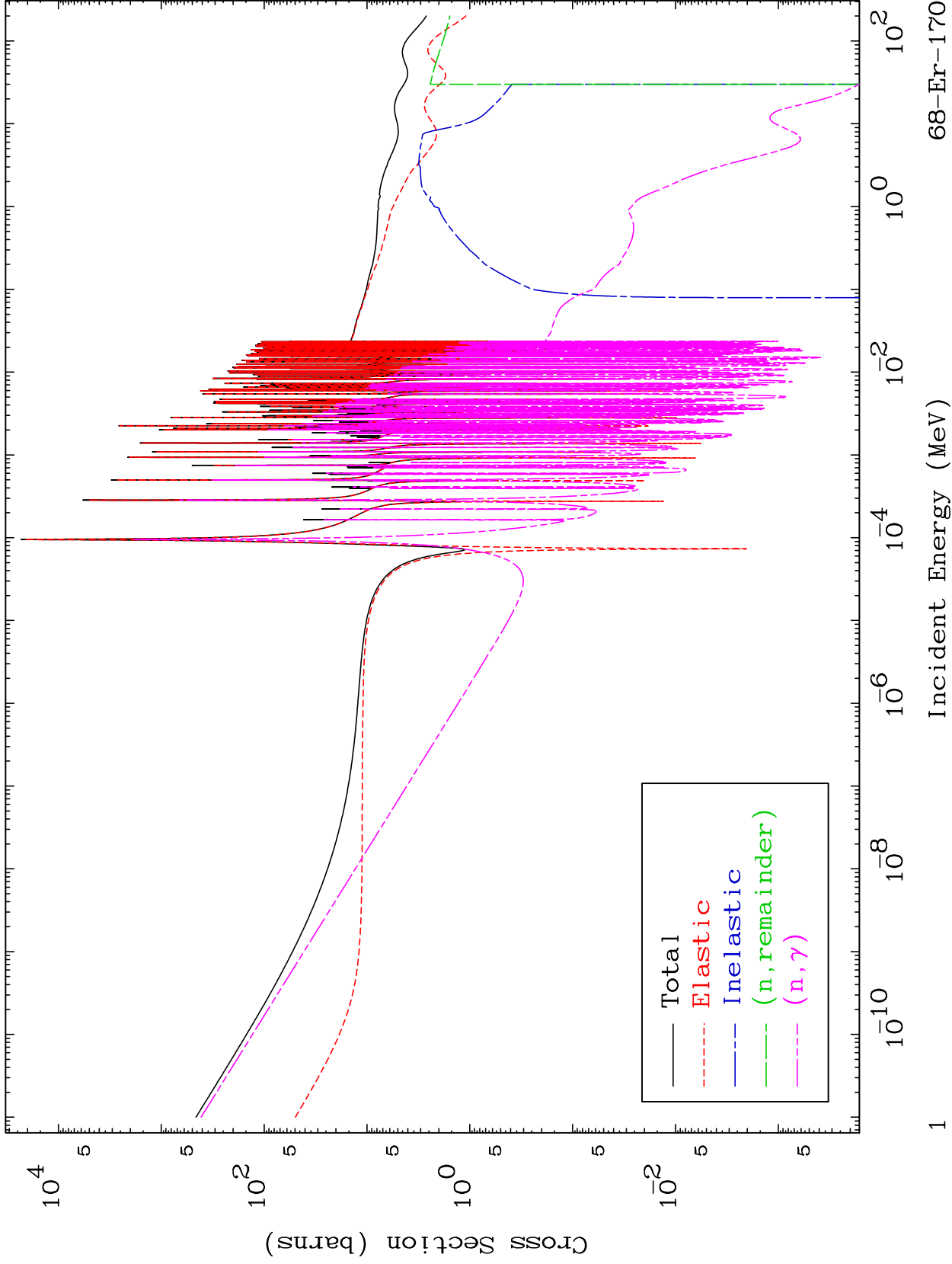
Press Mouse Button to Start

MAT 6849

Major

293 Kelvin Cross Sections

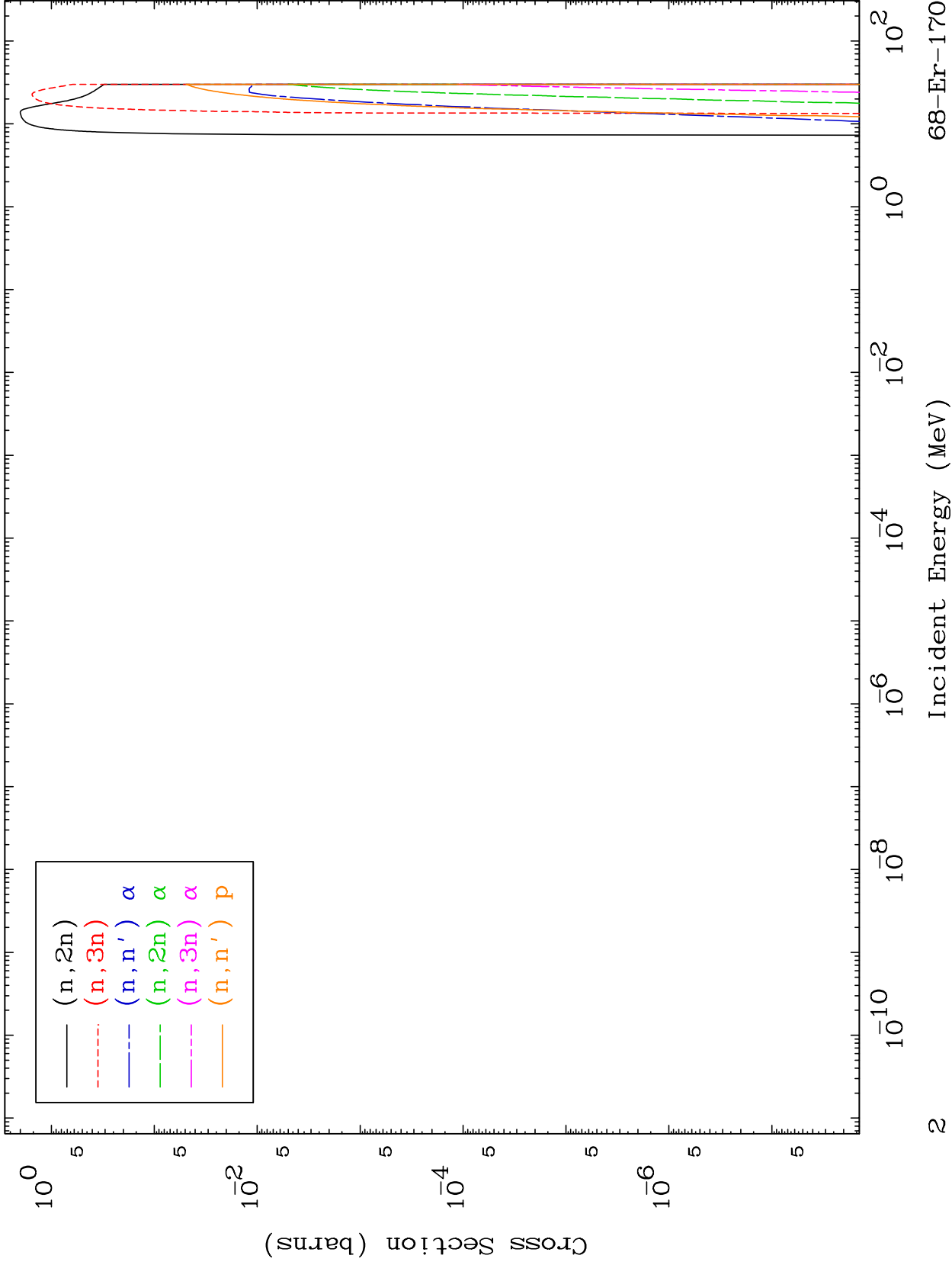
68-Er-170

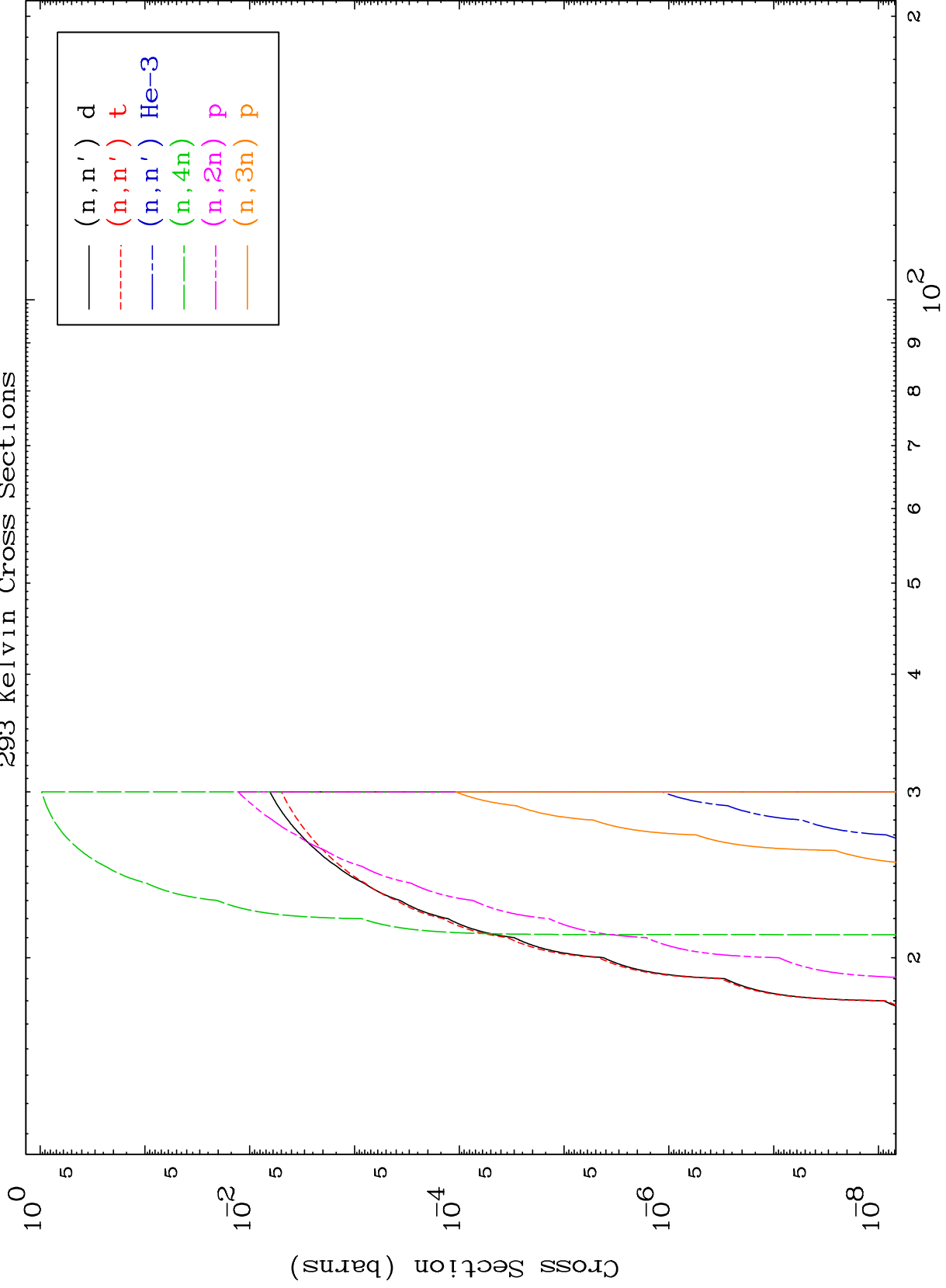


MAT 6849

Neutron Production
293 Kelvin Cross Sections

68-Er-170

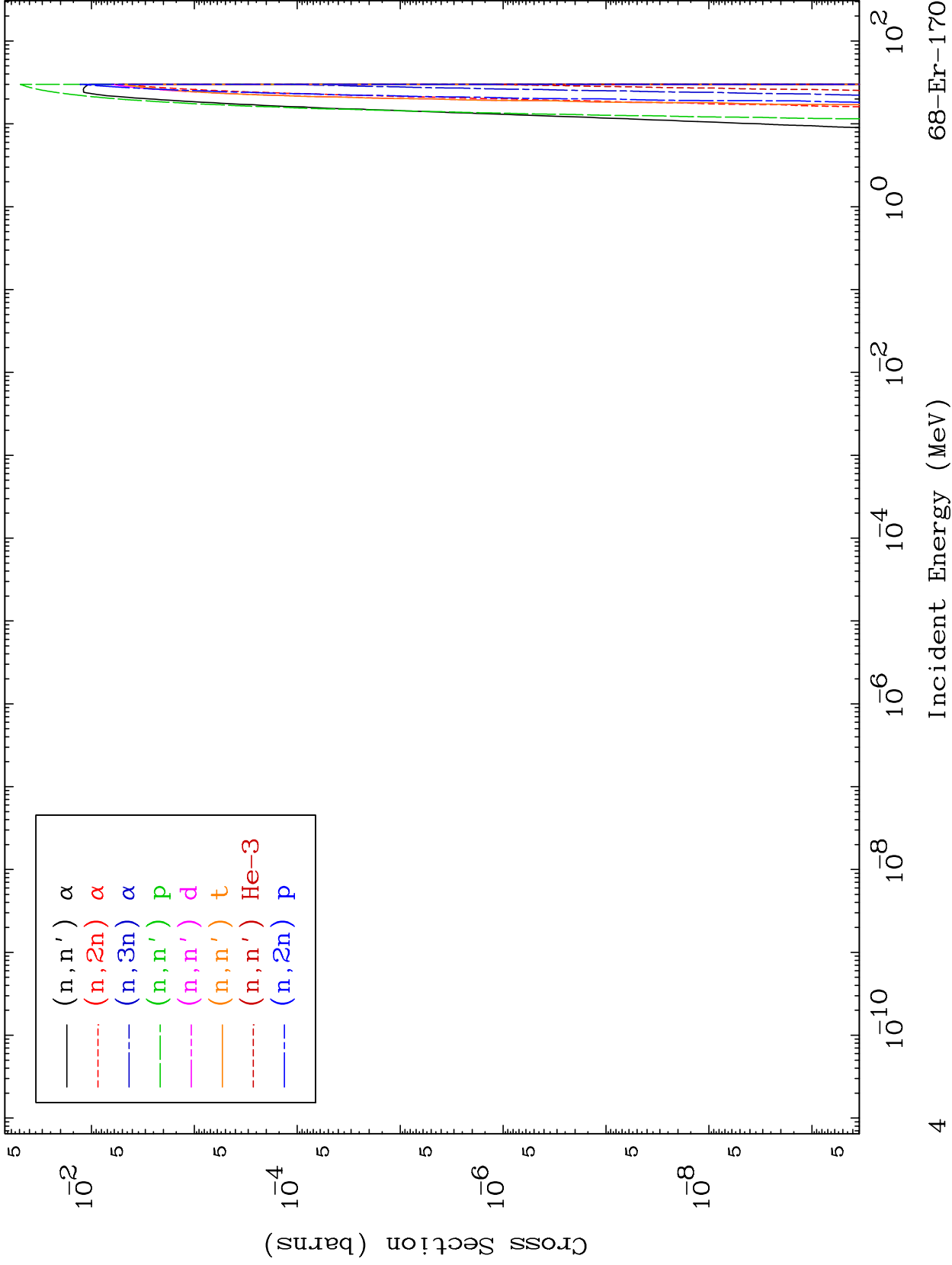




MAT 6849

Charged Particle
293 Kelvin Cross Sections

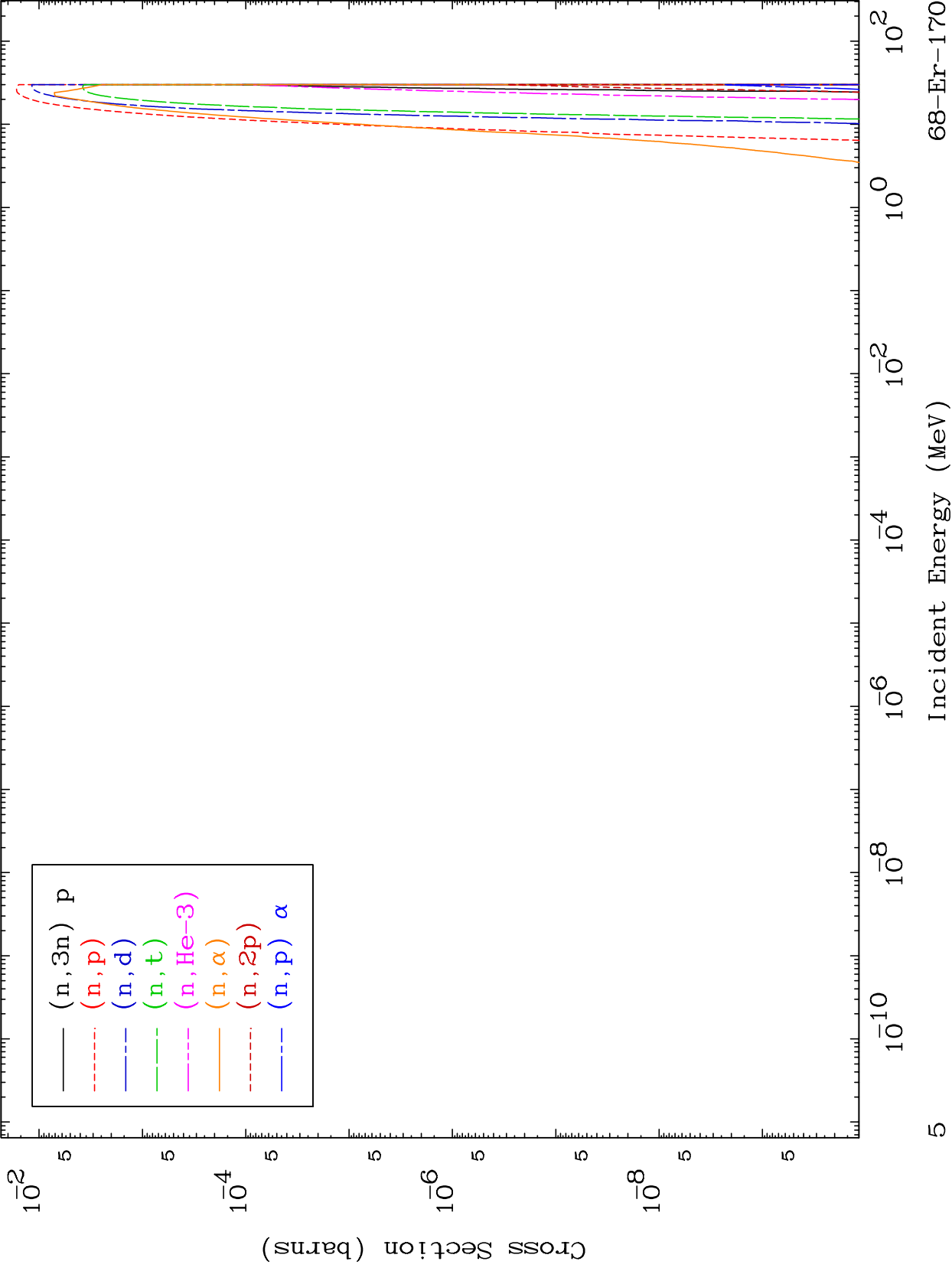
68-Er-170



MAT 6849

Charged Particle
293 Kelvin Cross Sections

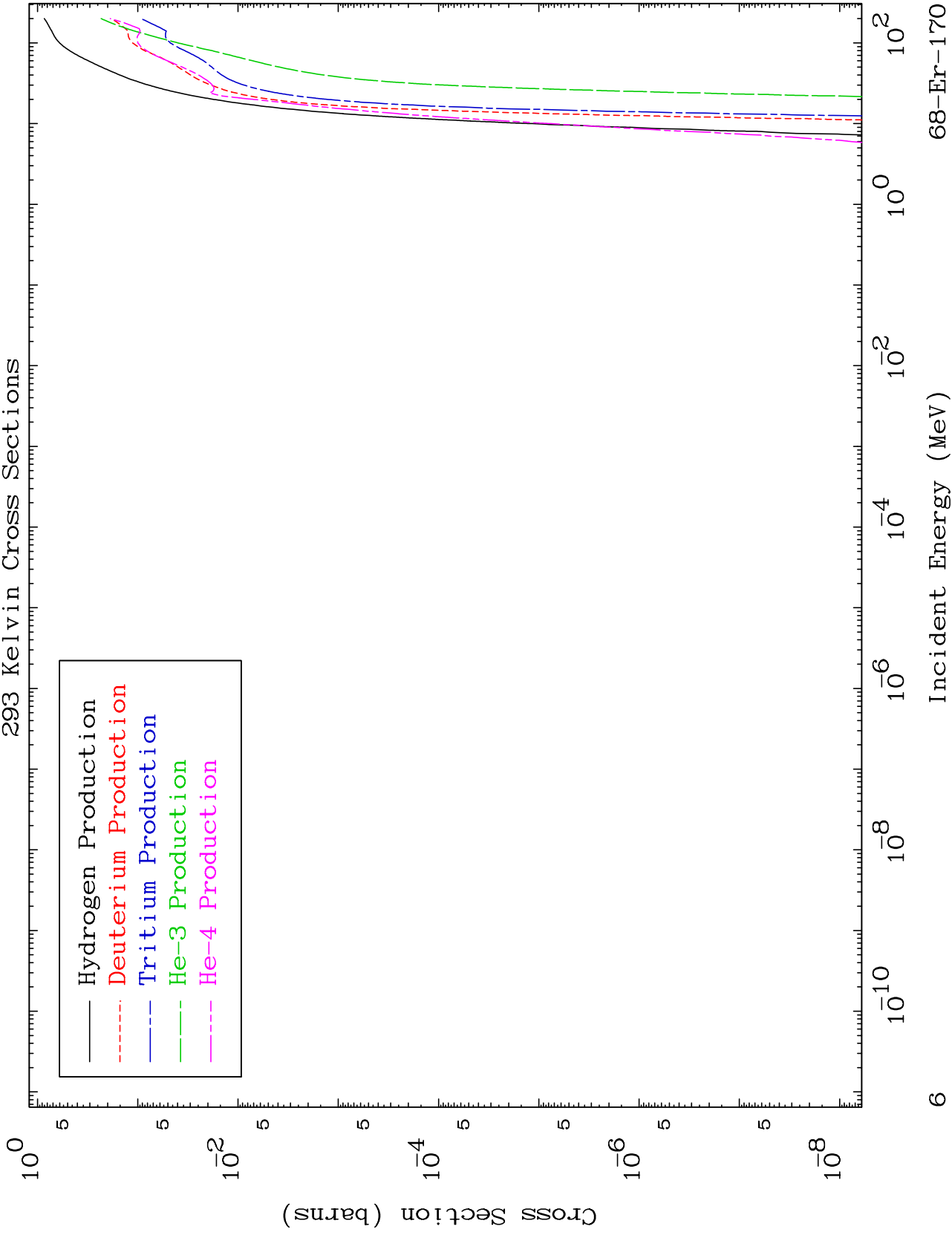
68-Er-170



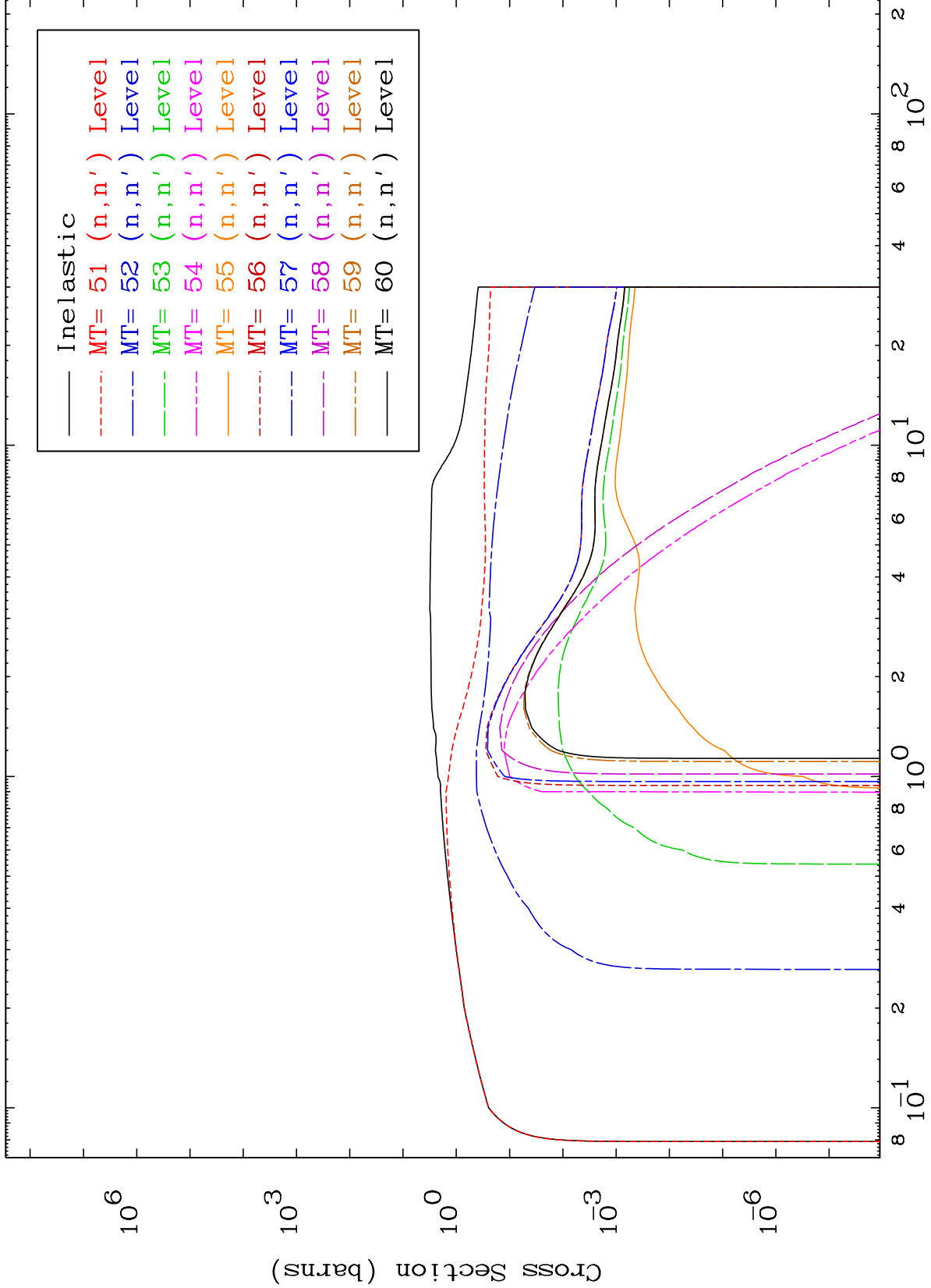
MAT 6849

Particle Production
293 Kelvin Cross Sections

68-Er-170



293 Kelvin Cross Sections

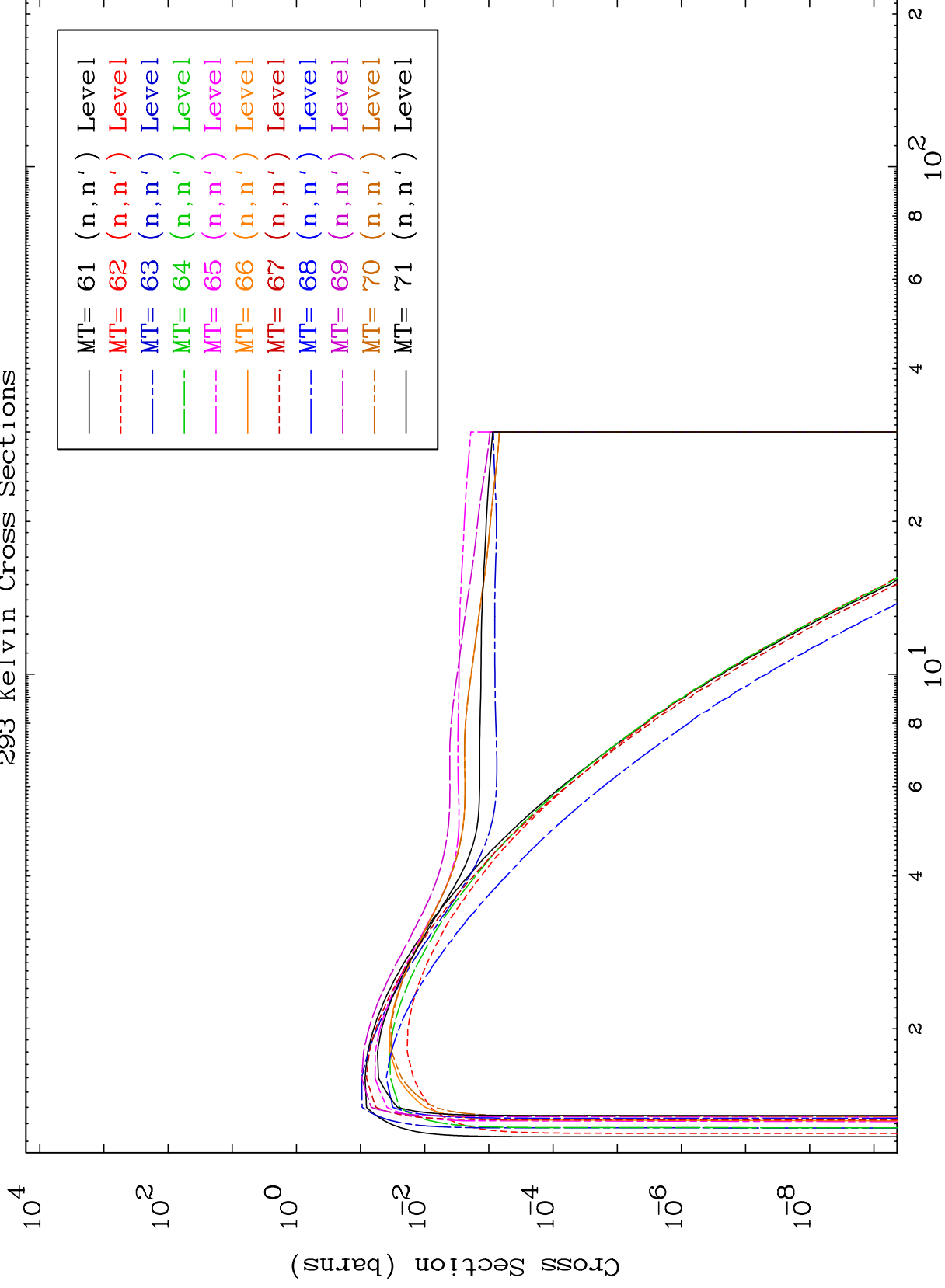


MAT 6849

(n,n') Level

68-Er-170

293 Kelvin Cross Sections

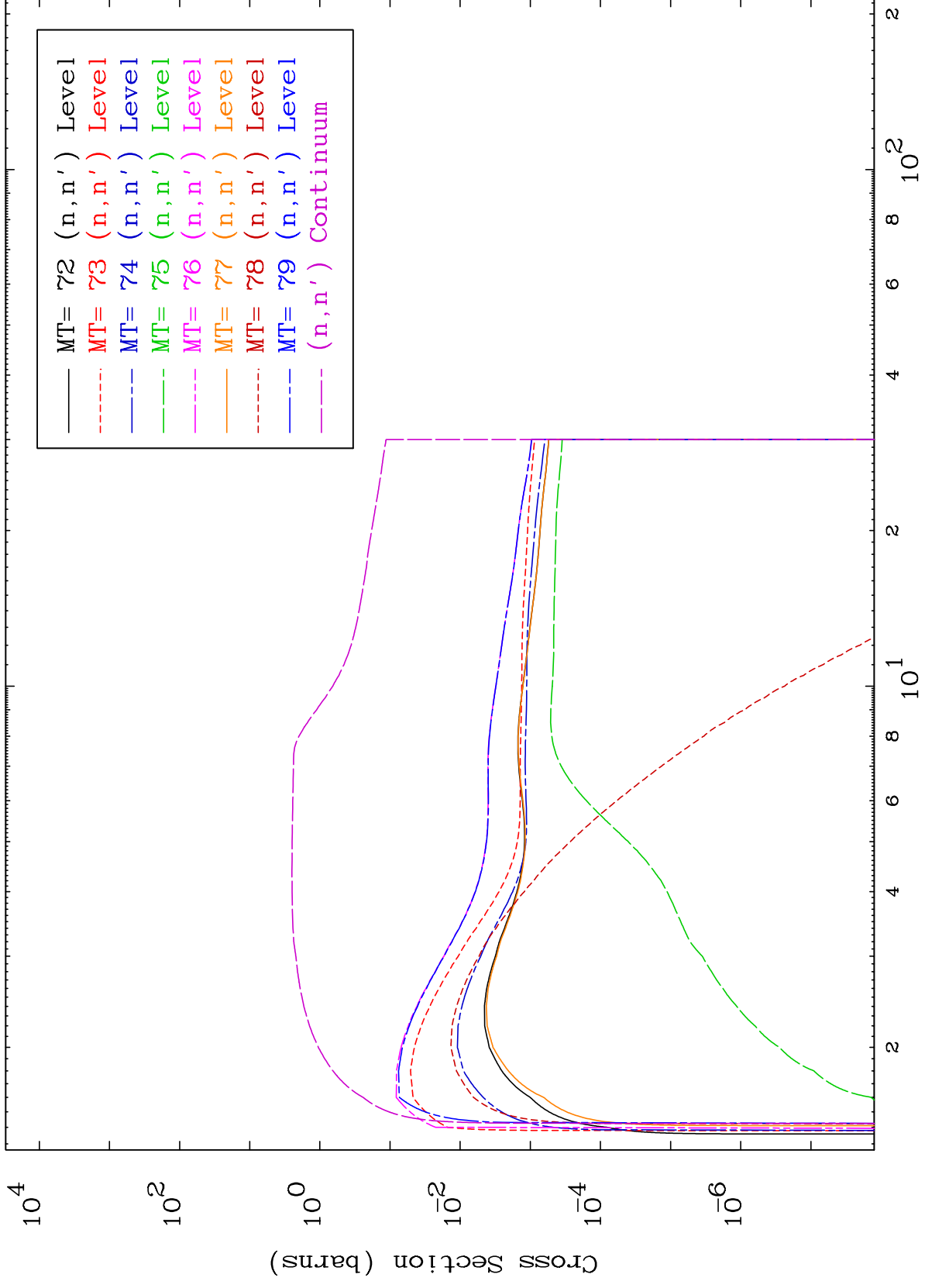


8

Incident Energy (MeV)

68-Er-170

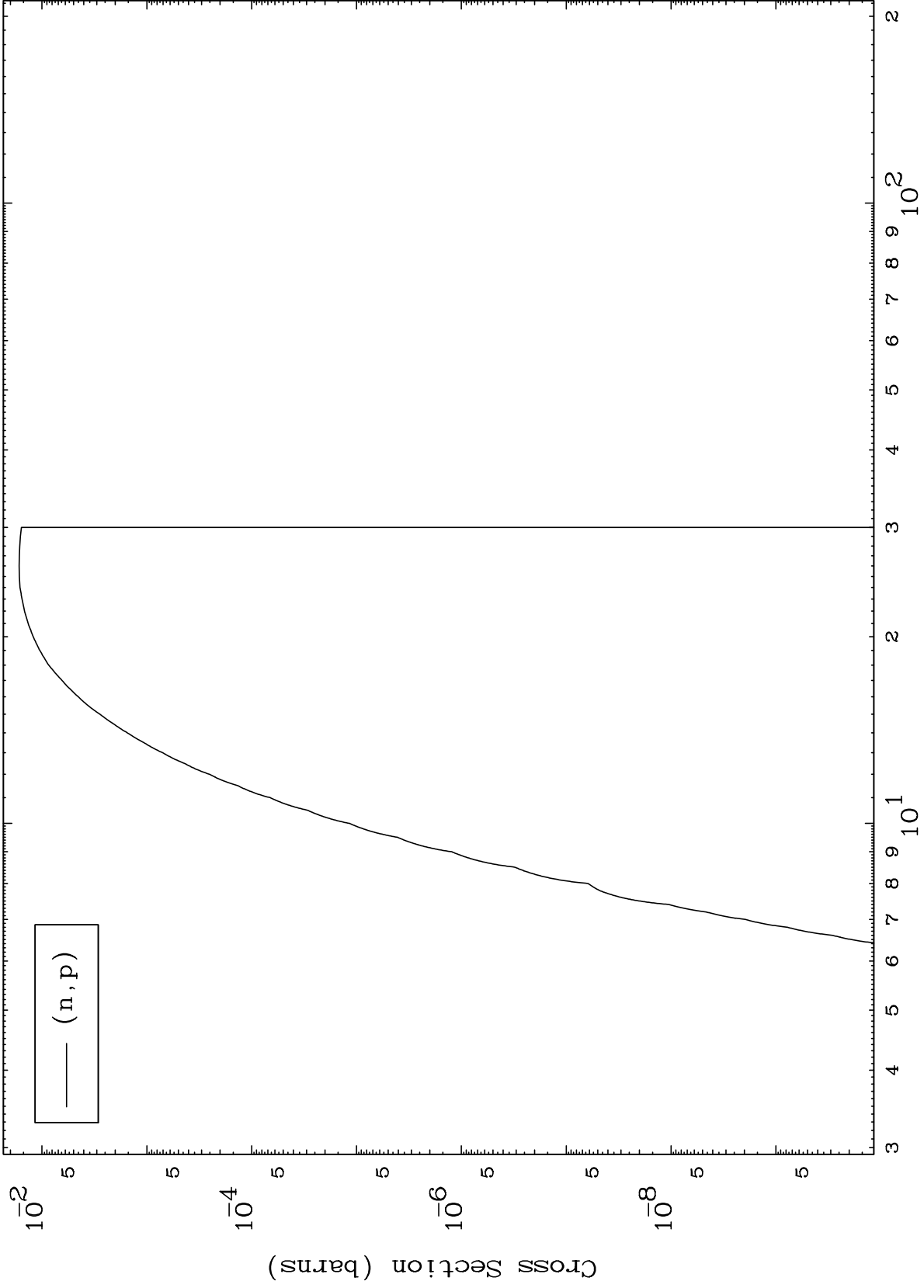
293 Kelvin Cross Sections



MAT 6849

(n,p) Levels
293 Kelvin Cross Sections

68-Er-170



10

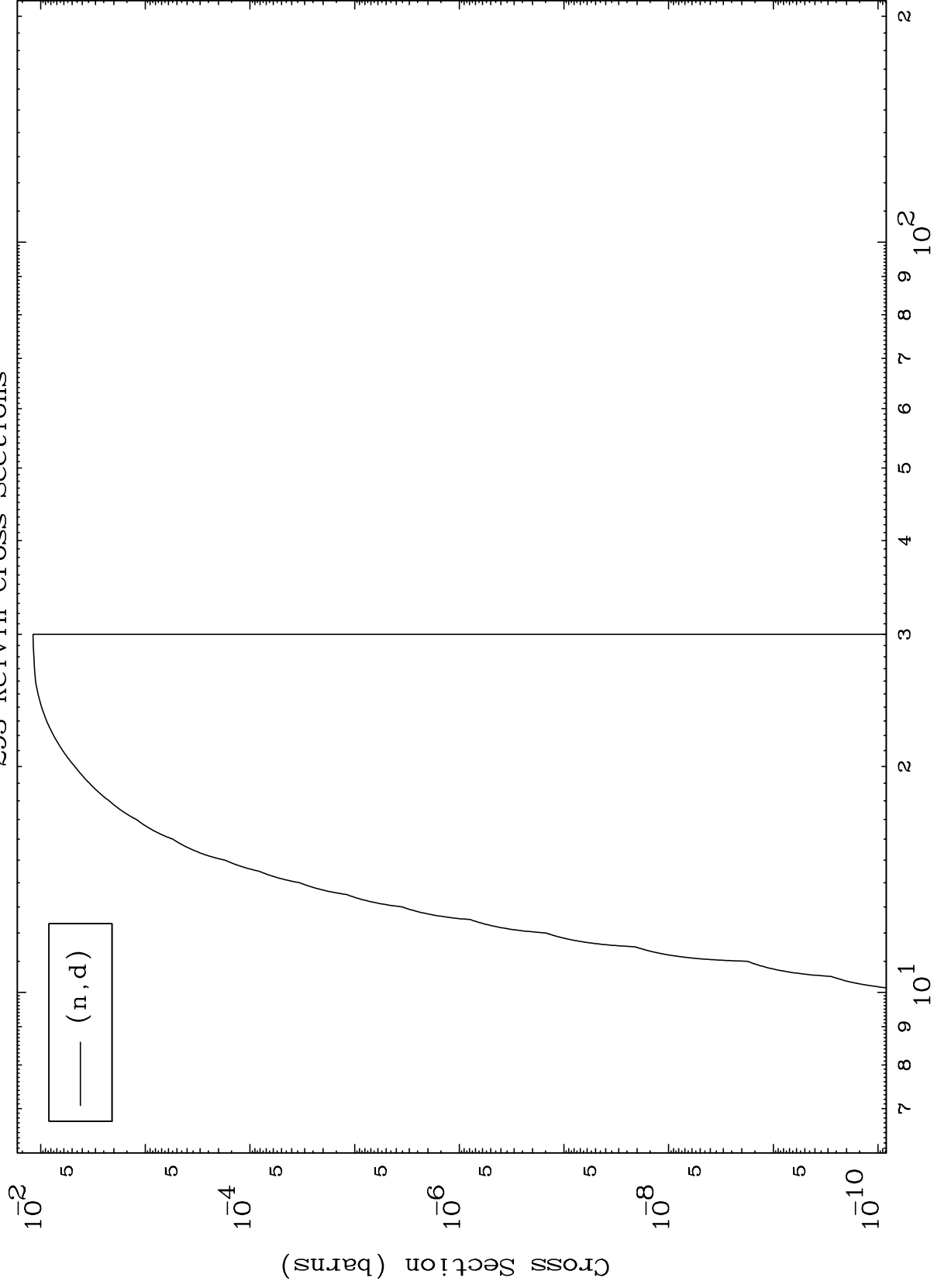
Incident Energy (MeV)

68-Er-170

MAT 6849

(n,d) Levels
293 Kelvin Cross Sections

68-Er-170



11

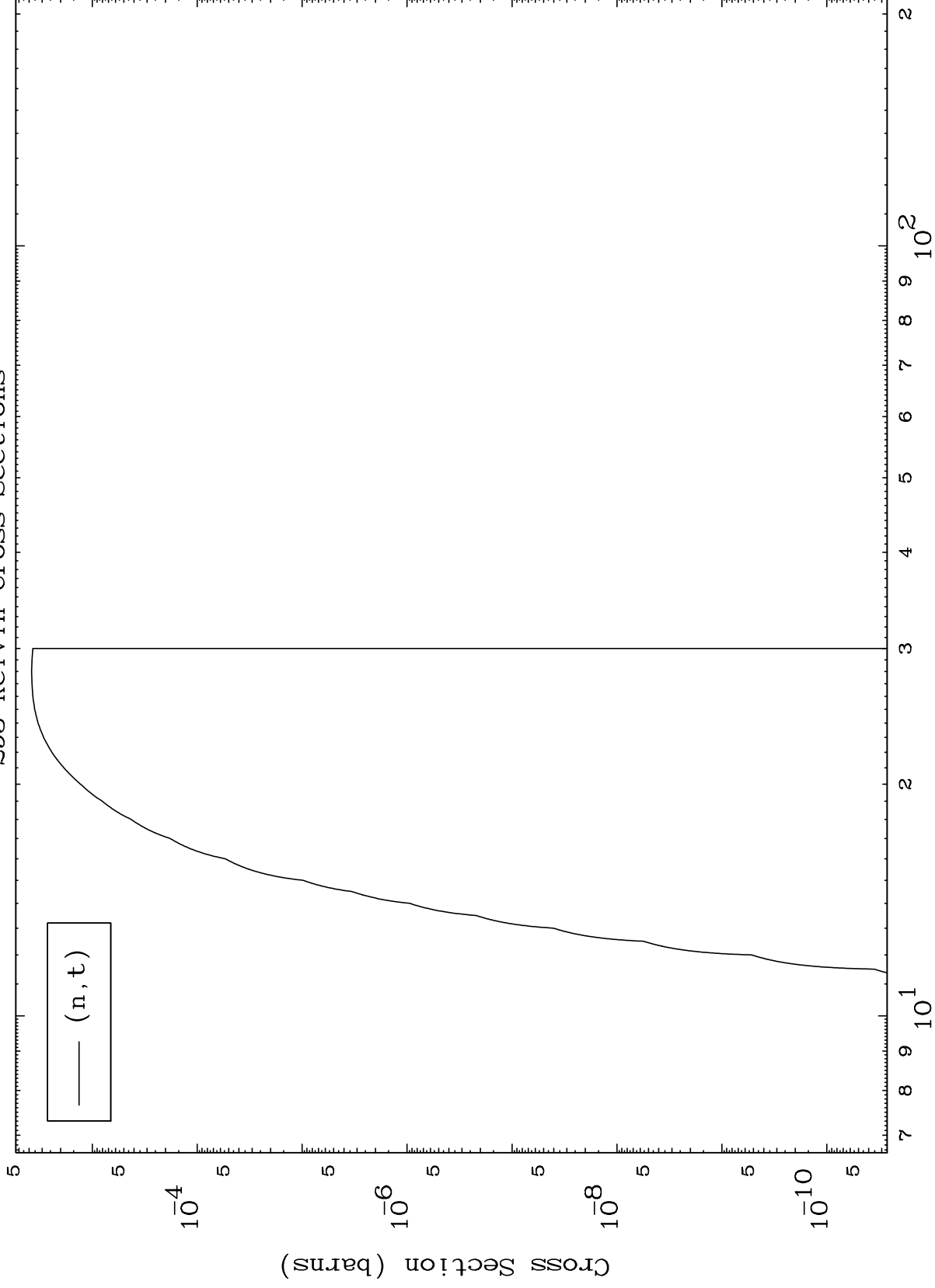
Incident Energy (MeV)

68-Er-170

MAT 6849

(n,t) Levels
293 Kelvin Cross Sections

68-Er-170



12

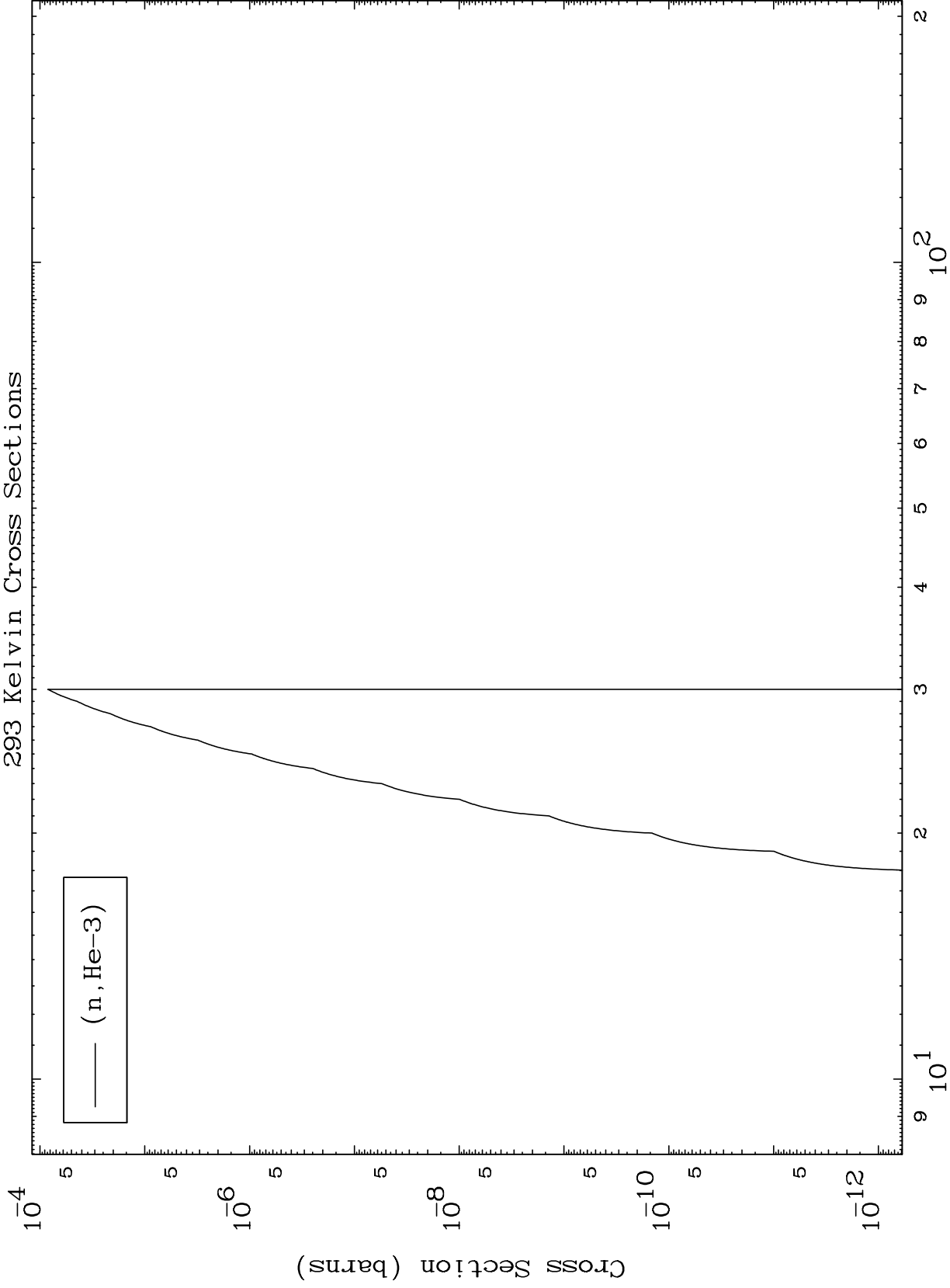
Incident Energy (MeV)

68-Er-170

MAT 6849

(n,He3) Levels
293 Kelvin Cross Sections

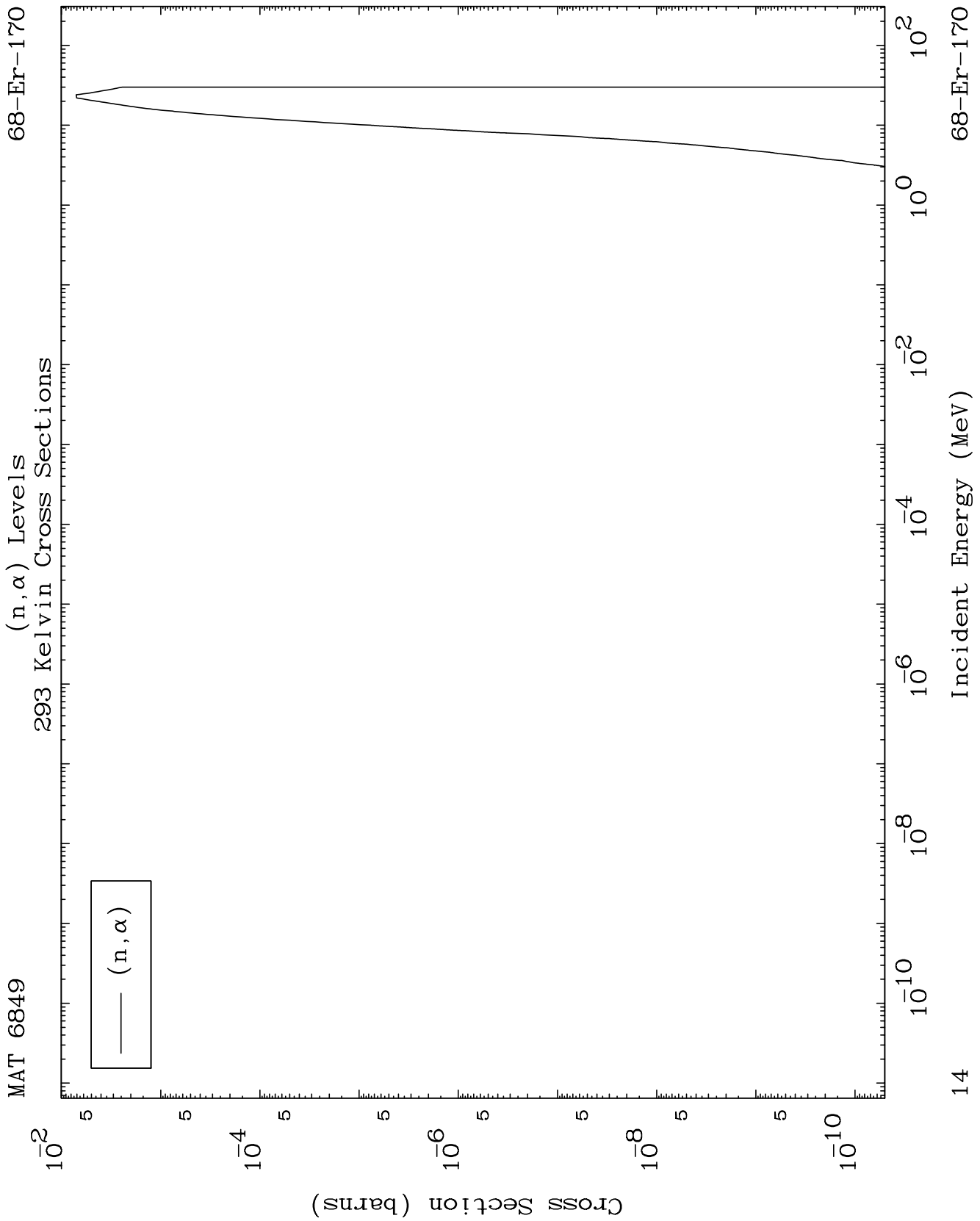
68-Er-170

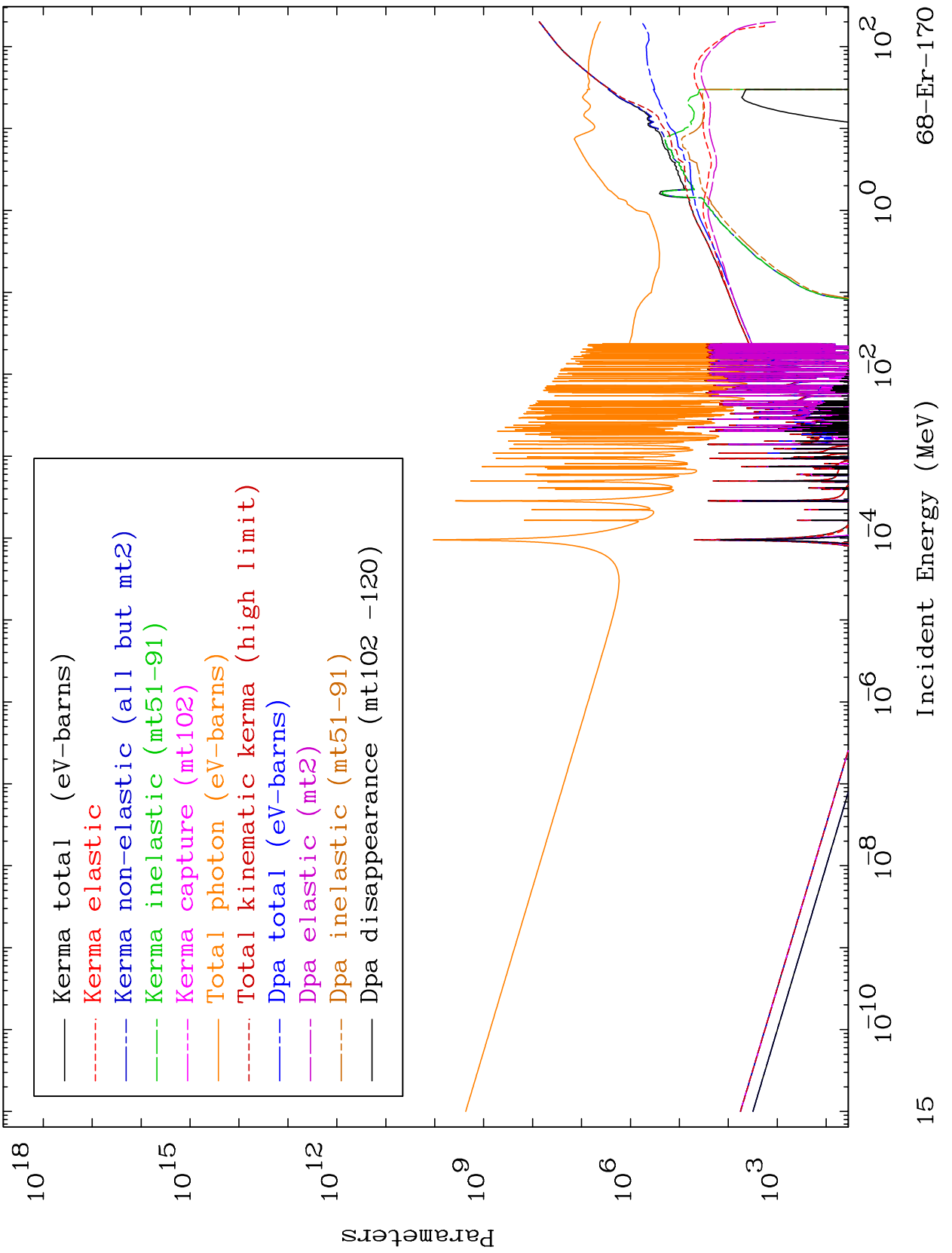


13

Incident Energy (MeV)

68-Er-170

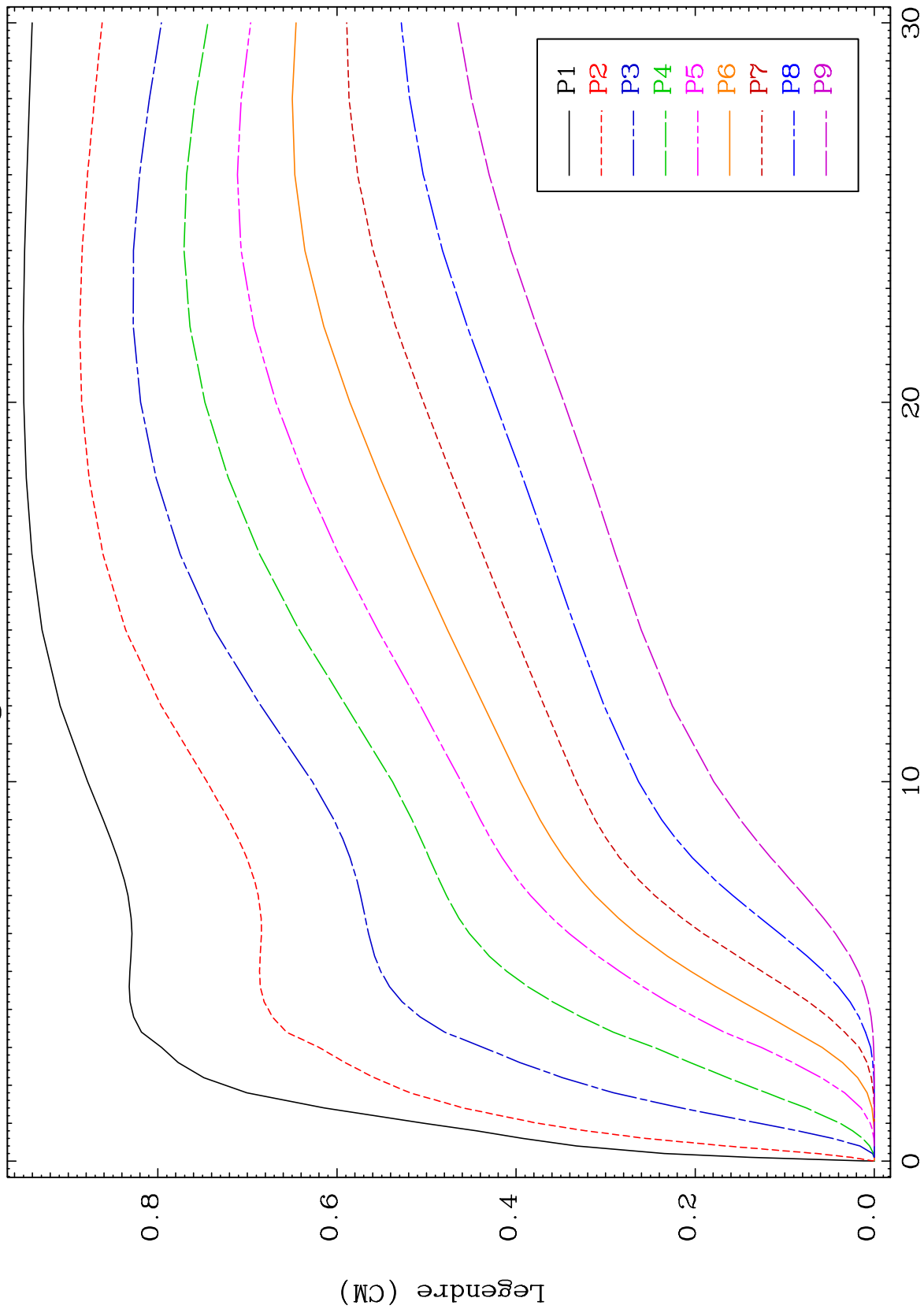




MAT 6849

Elastic Legendre Coefficients

68-Er-170



16

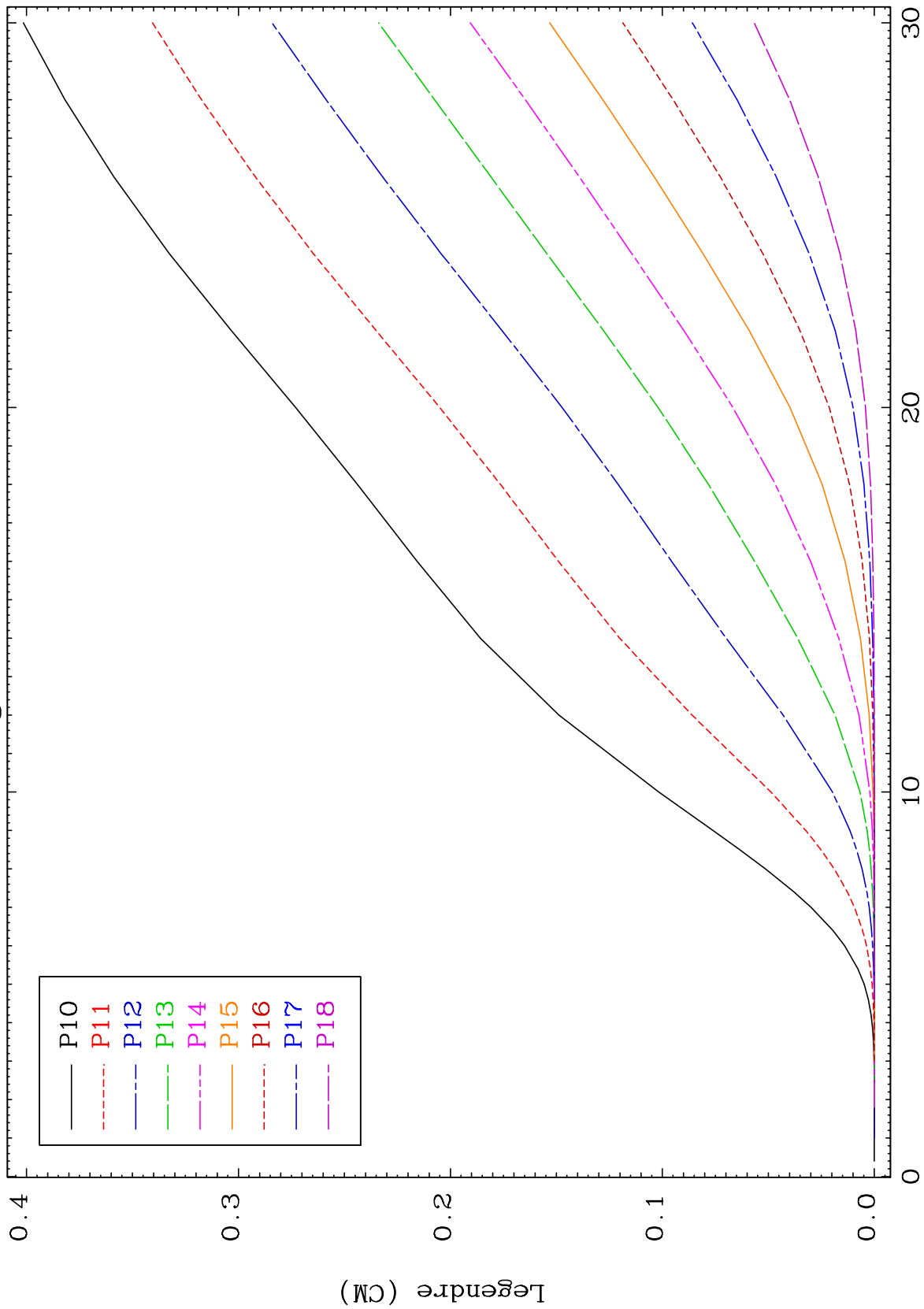
Incident Energy (MeV)

68-Er-170

MAT 6849

Elastic Legendre Coefficients

68-Er-170



17

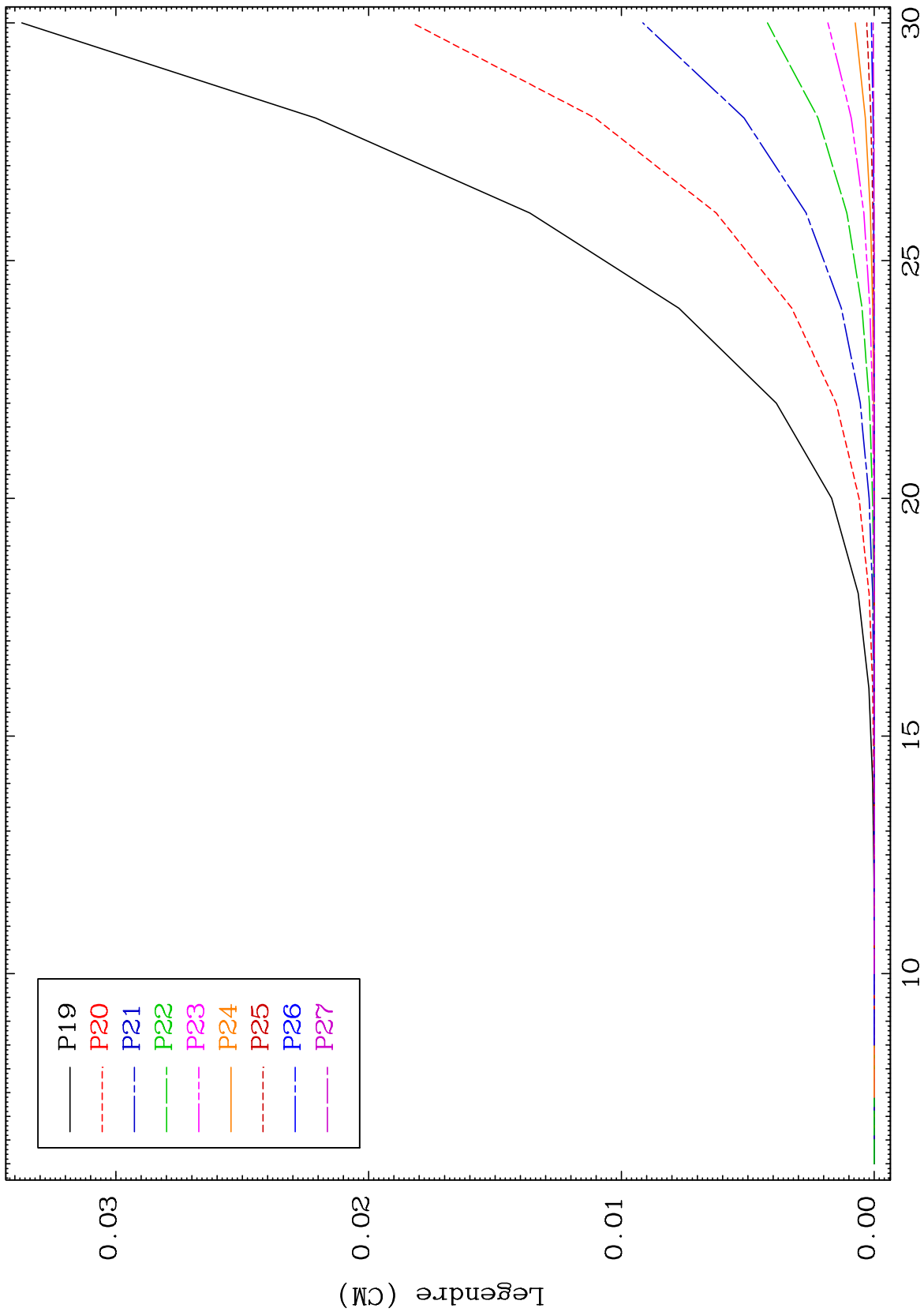
Incident Energy (MeV)

68-Er-170

MAT 6849

Elastic Legendre Coefficients

68-Er-170



18

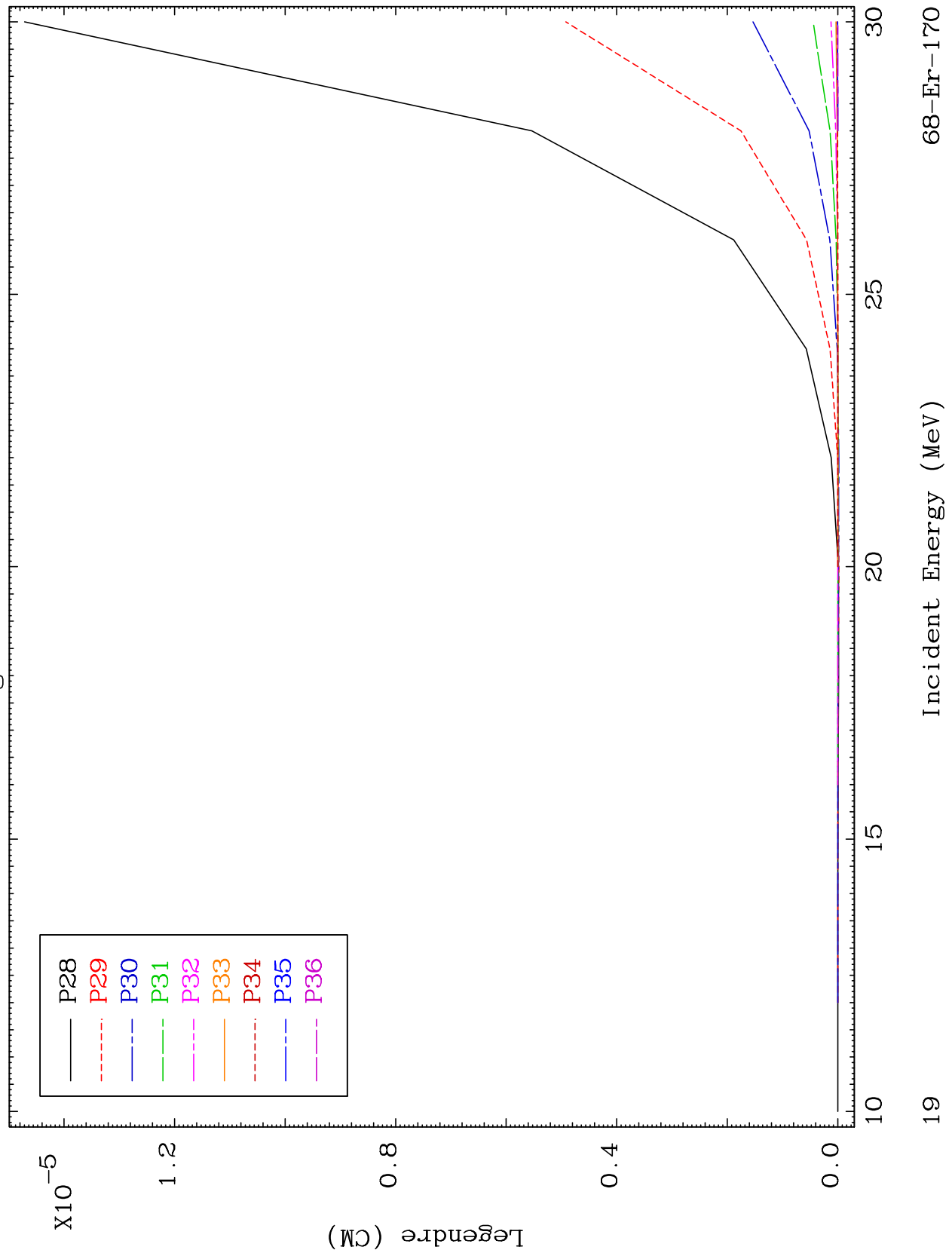
Incident Energy (MeV)

68-Er-170

MAT 6849

Elastic Legendre Coefficients

68-Er-170



19

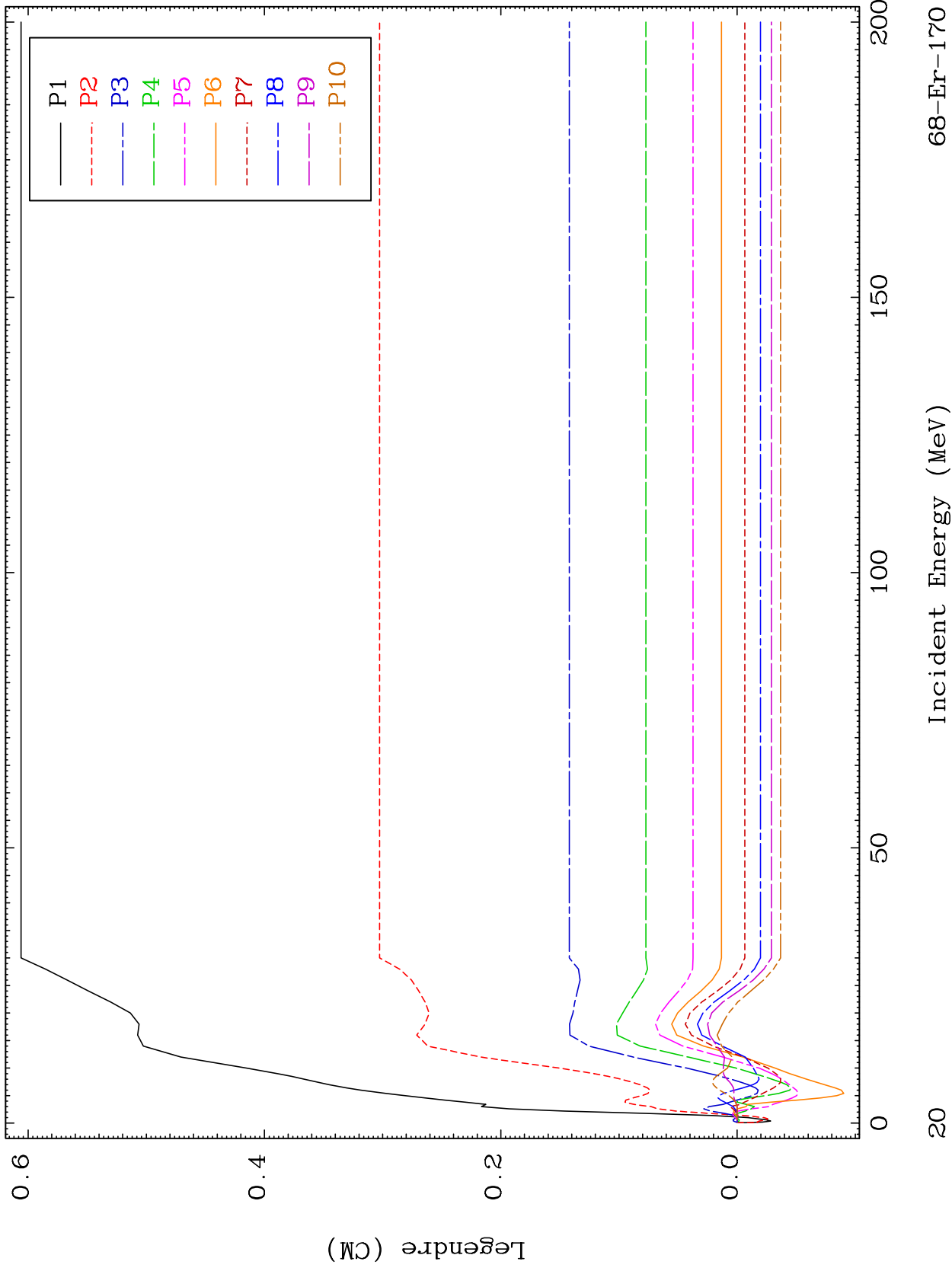
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 51 (n,n') Level
Legendre Coefficients

68-Er-170



68-Er-170

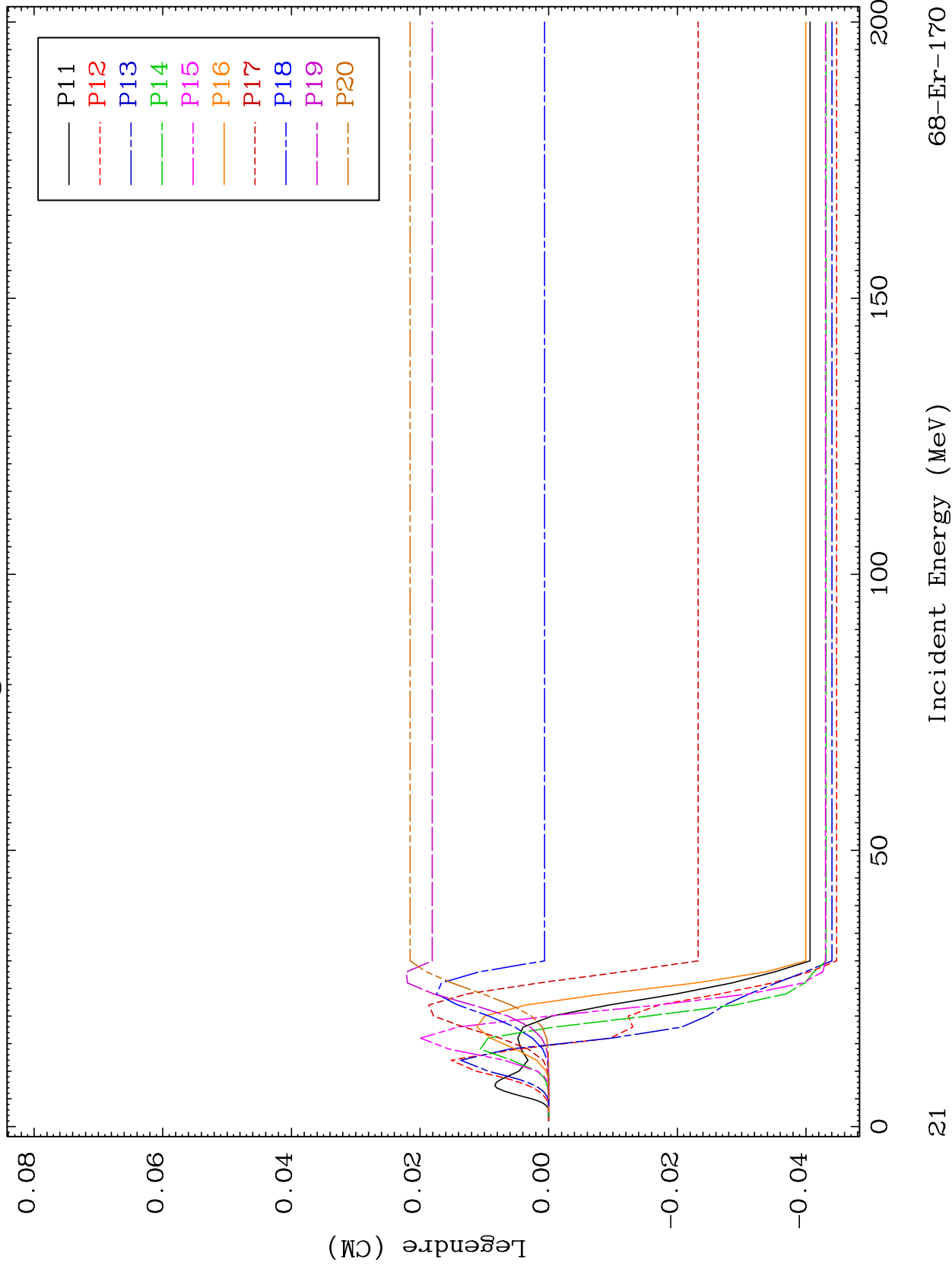
Incident Energy (MeV)

20

MAT 6849

MT= 51 (n,n') Level
Legendre Coefficients

68-Er-170



21

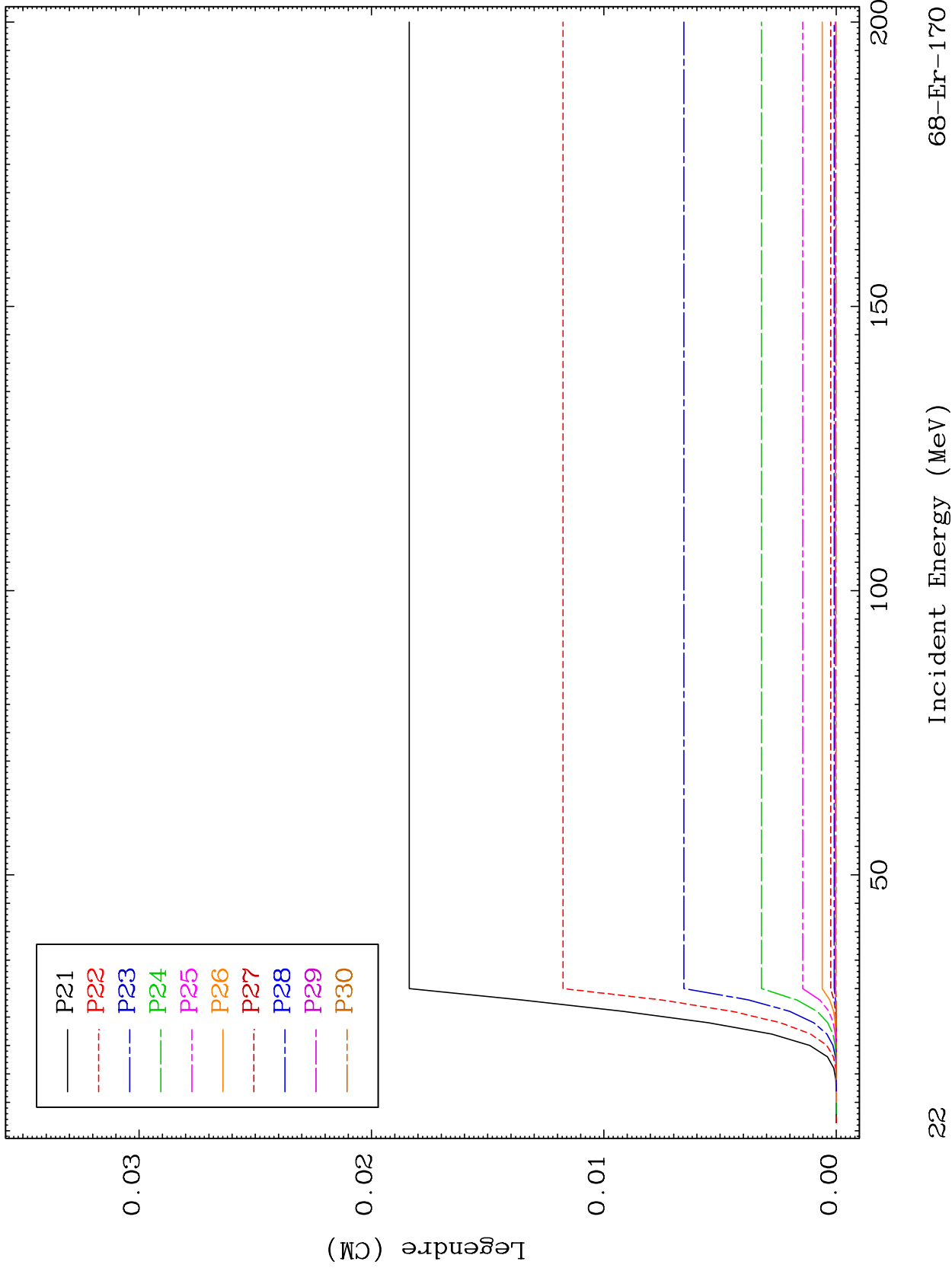
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 51 (n,n') Level
Legendre Coefficients

68-Er-170



22

Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 51 (n,n') Level
Legendre Coefficients

68-Er-170

$\times 10^{-6}$

4

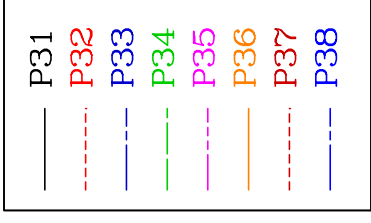
3

2

1

0

Legendre (CM)



50

100

150

200

23

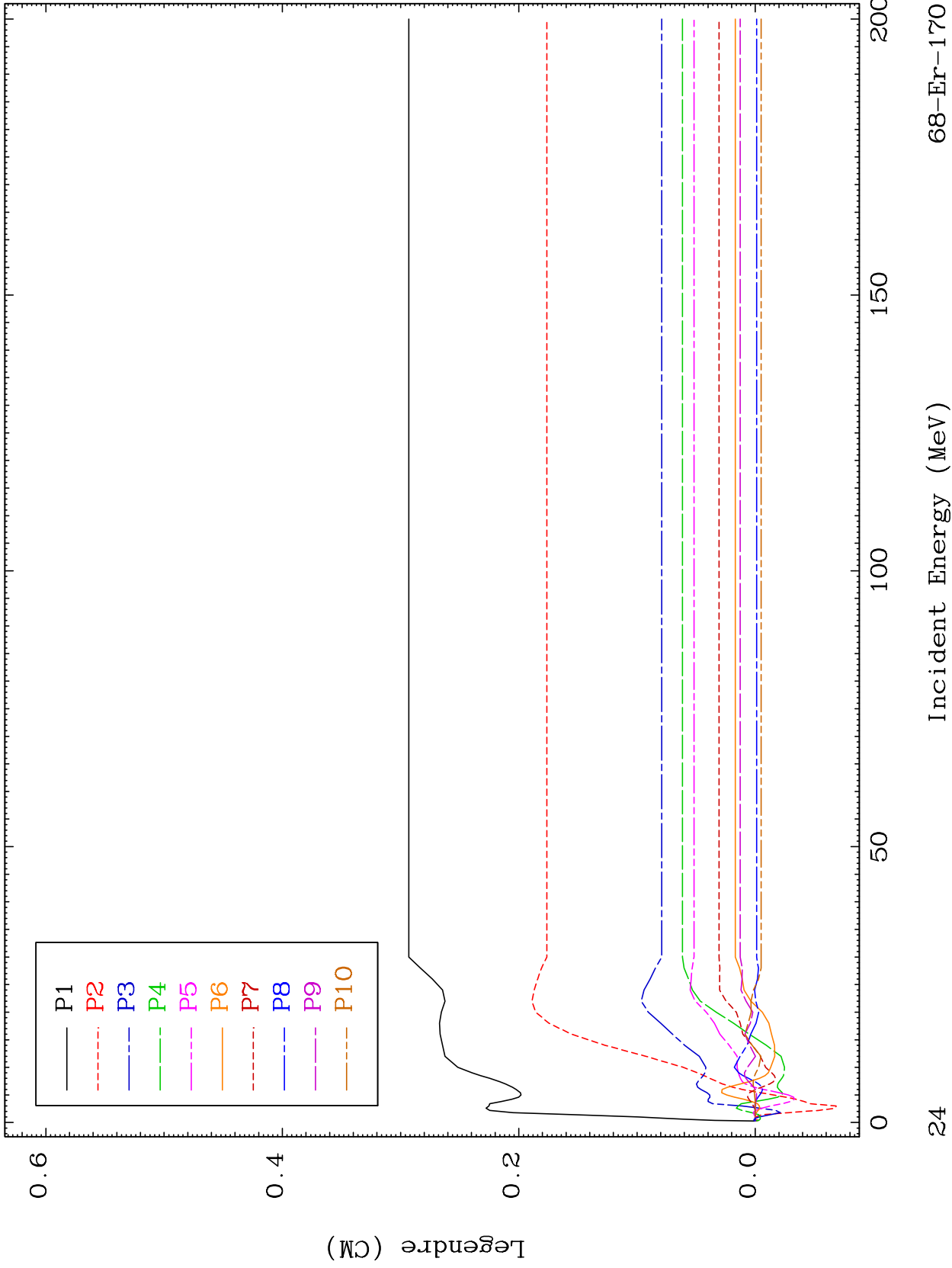
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 52 (n,n') Level
Legendre Coefficients

68-Er-170



24

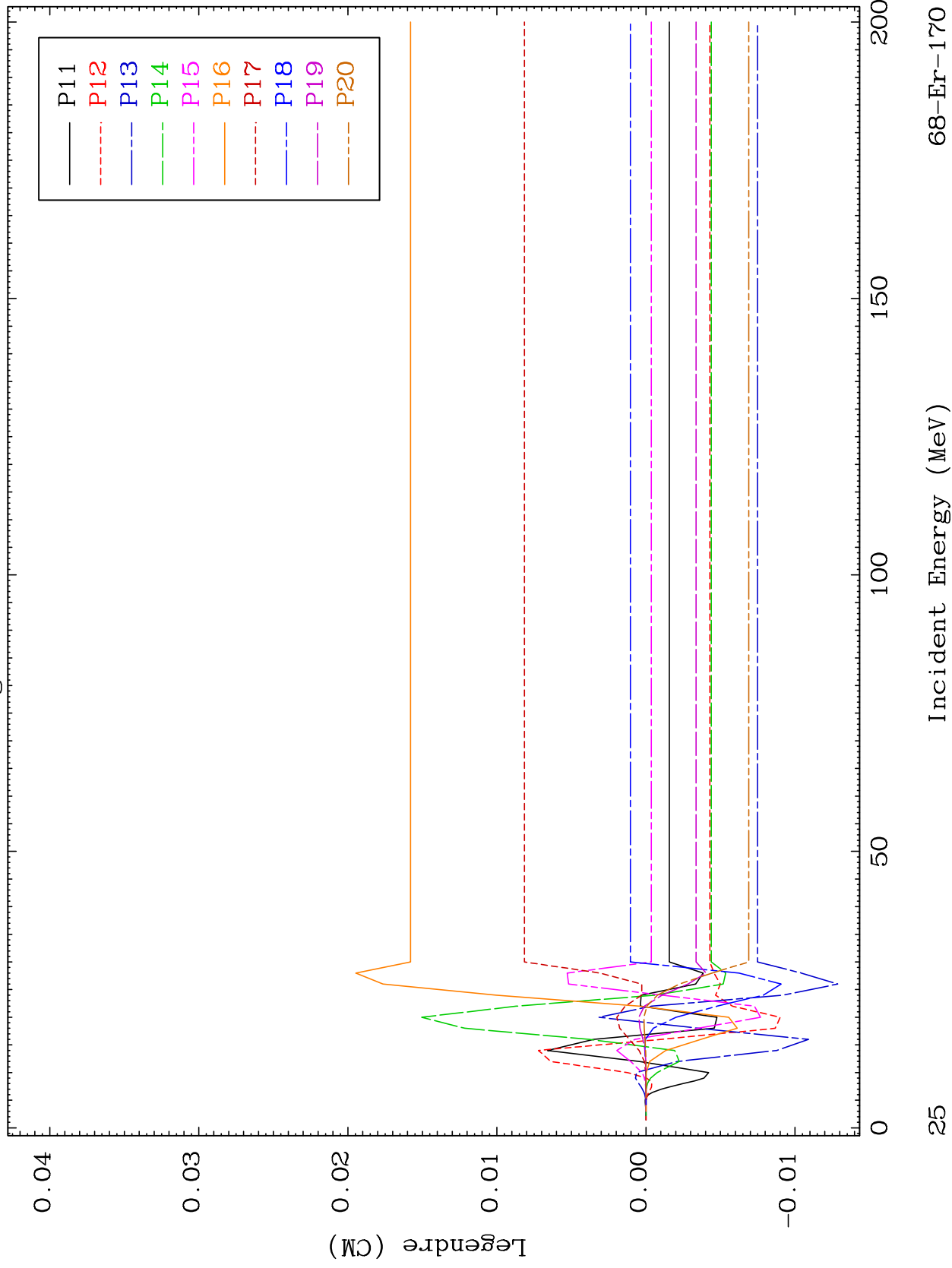
Incident Energy (MeV)

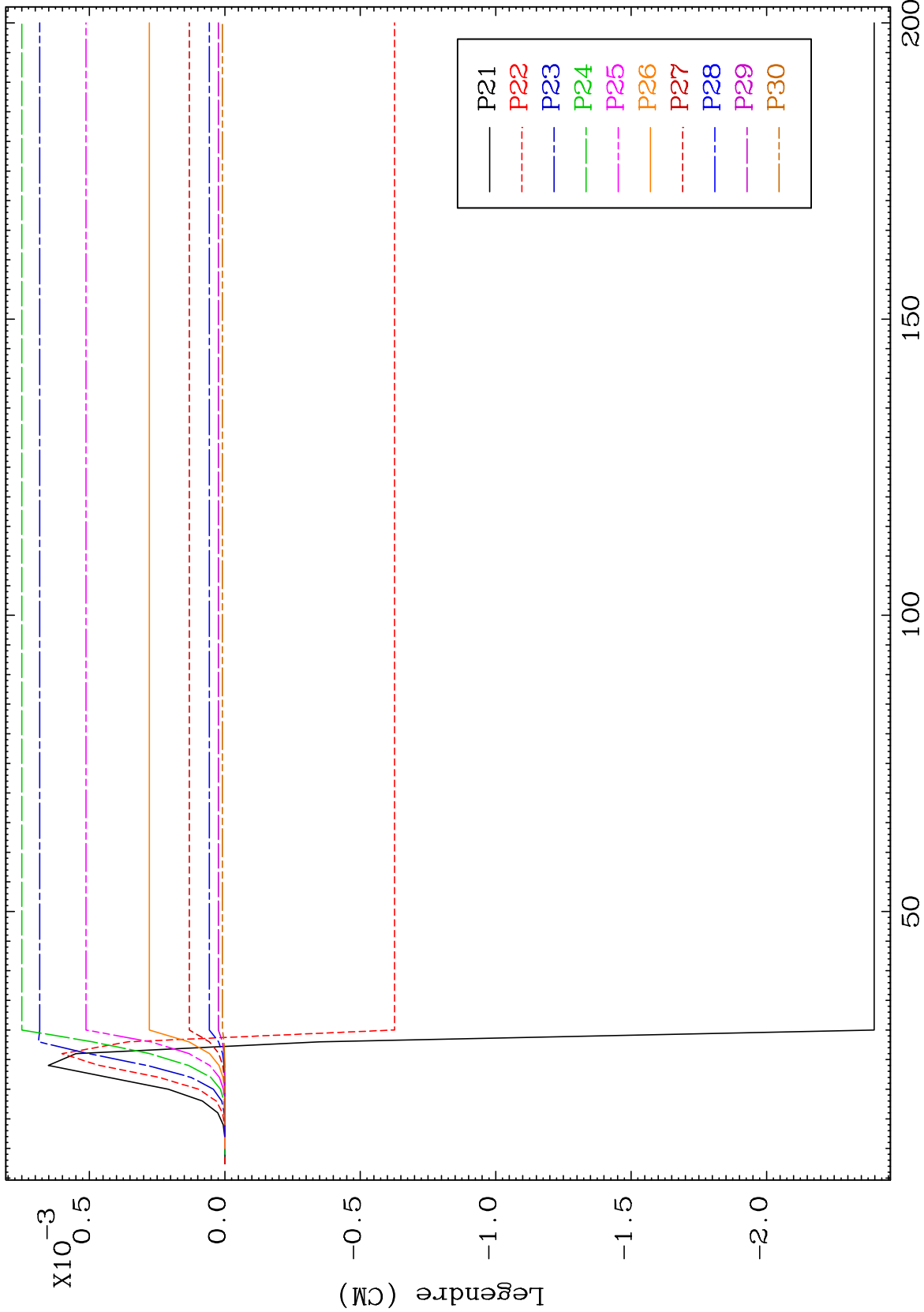
68-Er-170

MAT 6849

MT= 52 (n,n') Level
Legendre Coefficients

68-Er-170

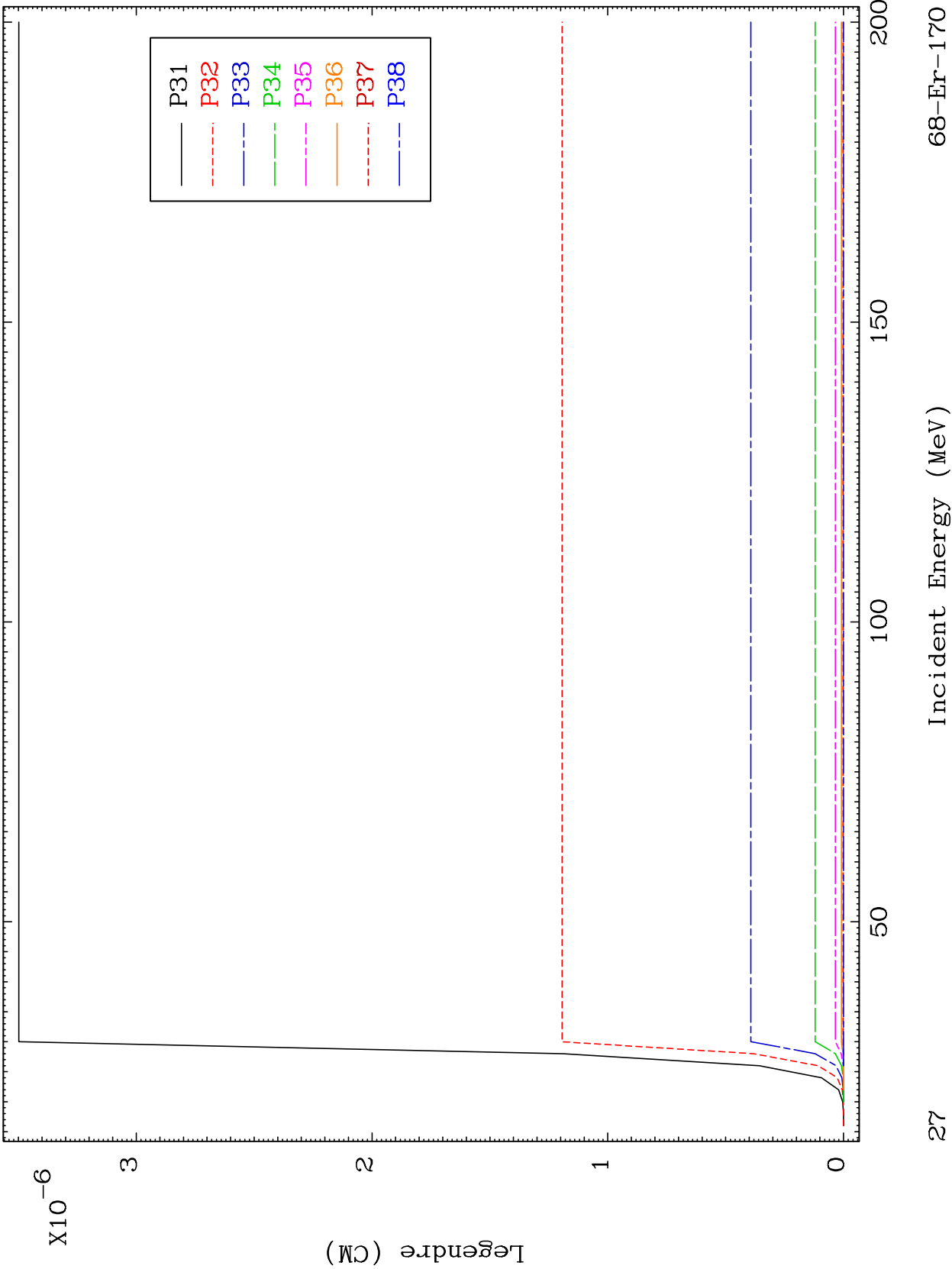




MAT 6849

MT= 52 (n,n') Level
Legendre Coefficients

68-Er-170



27

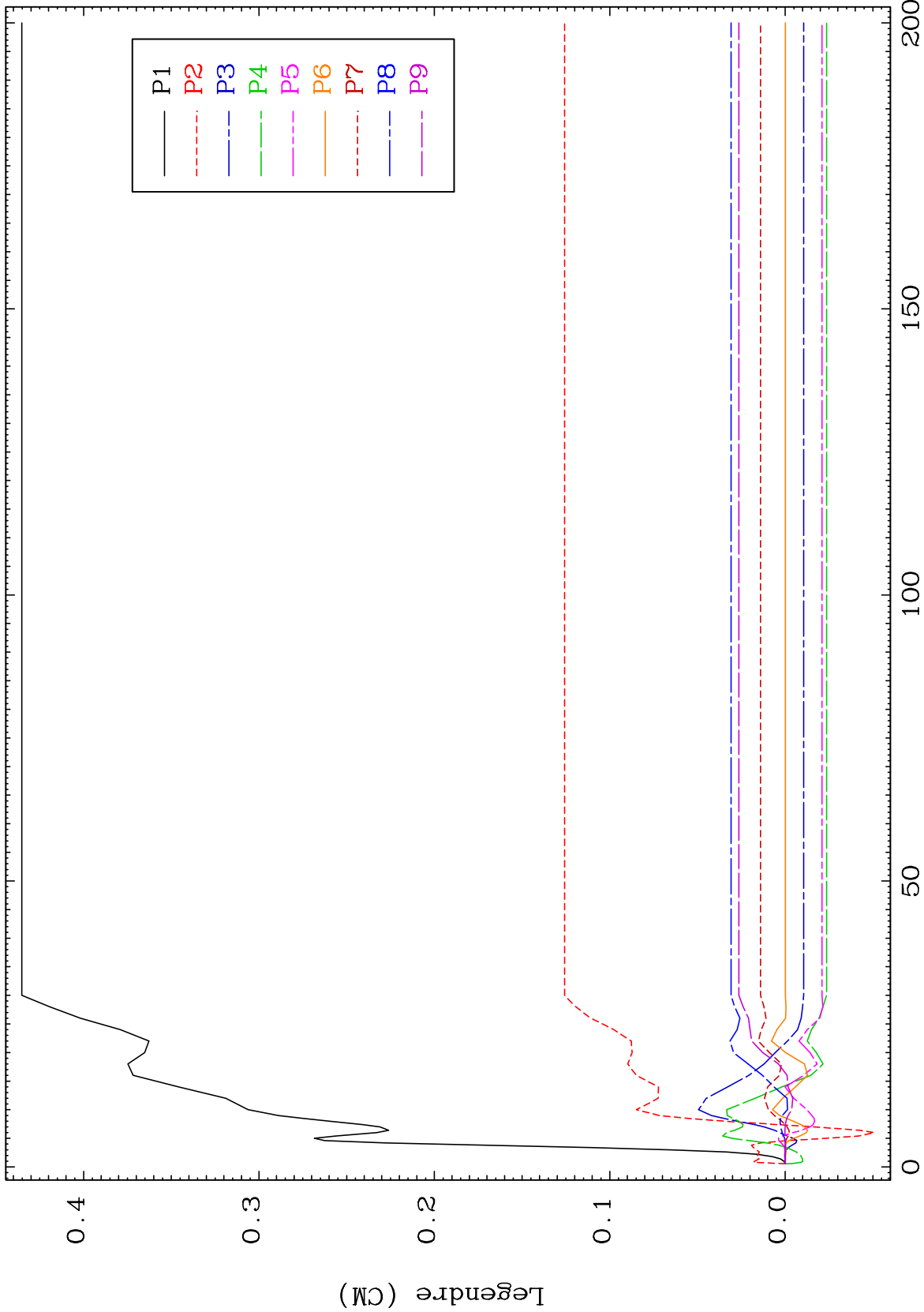
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 53 (n,n') Level
Legendre Coefficients

68-Er-170



28

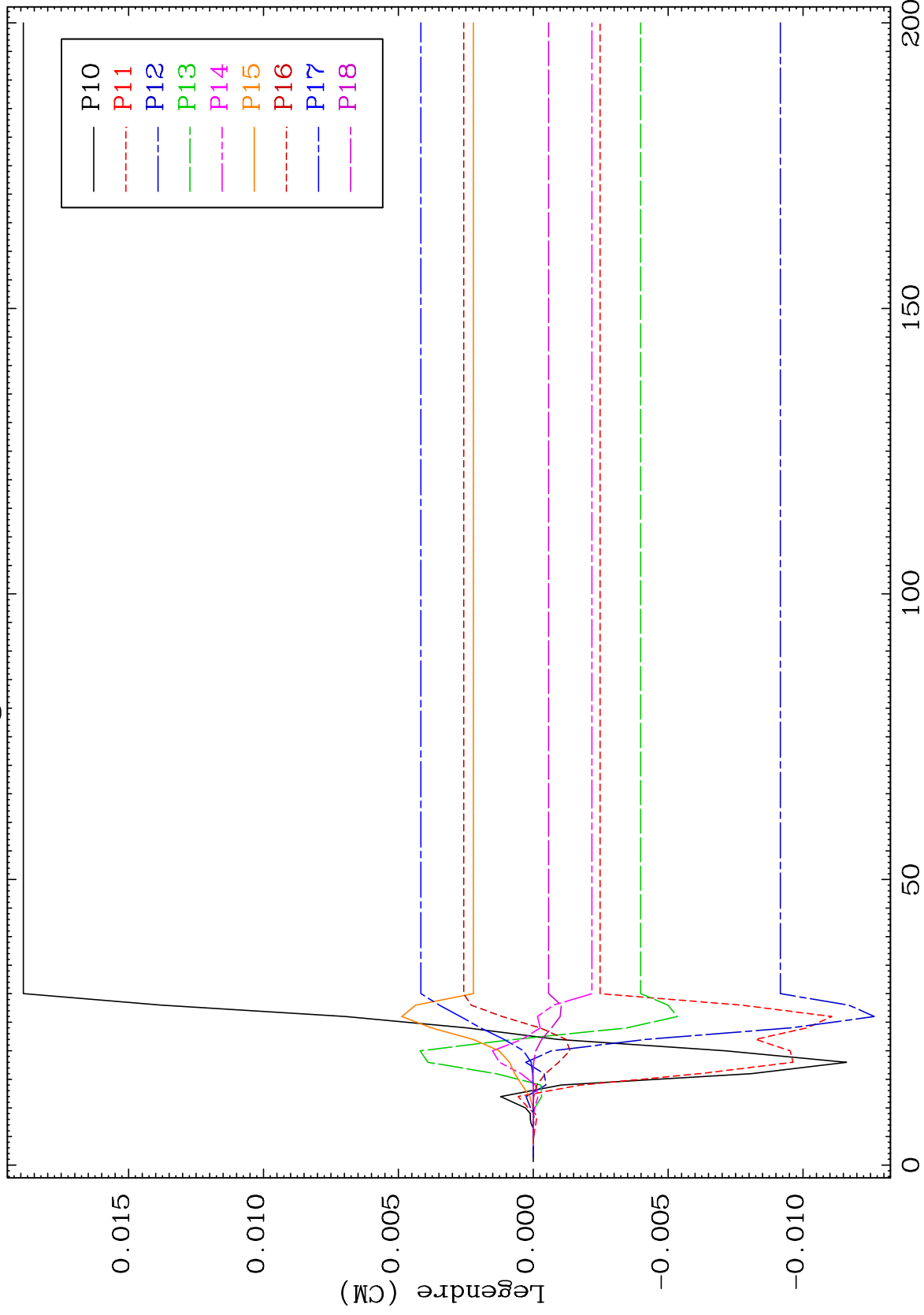
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 53 (n,n') Level
Legendre Coefficients

68-Er-170



29

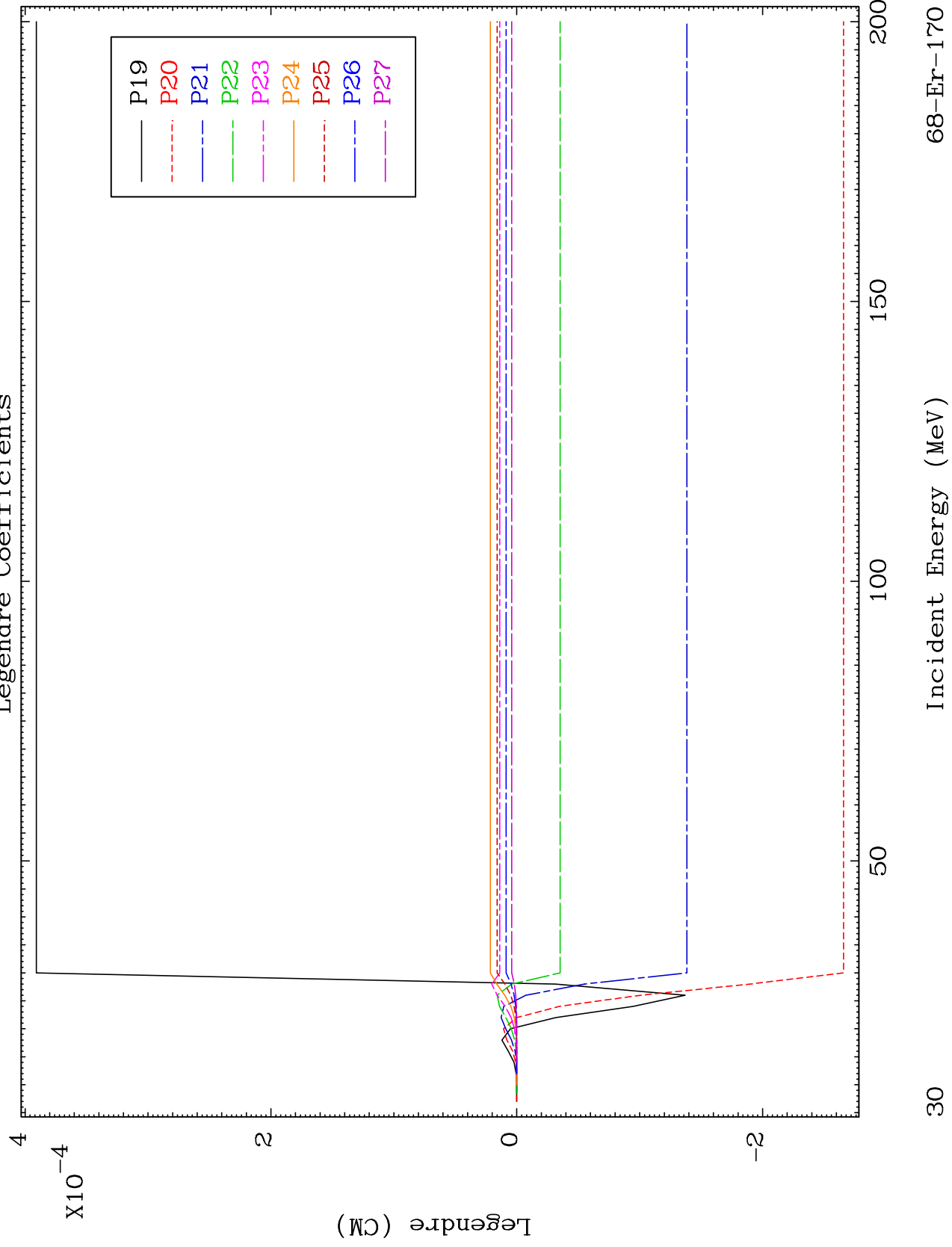
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 53 (n,n') Level
Legendre Coefficients

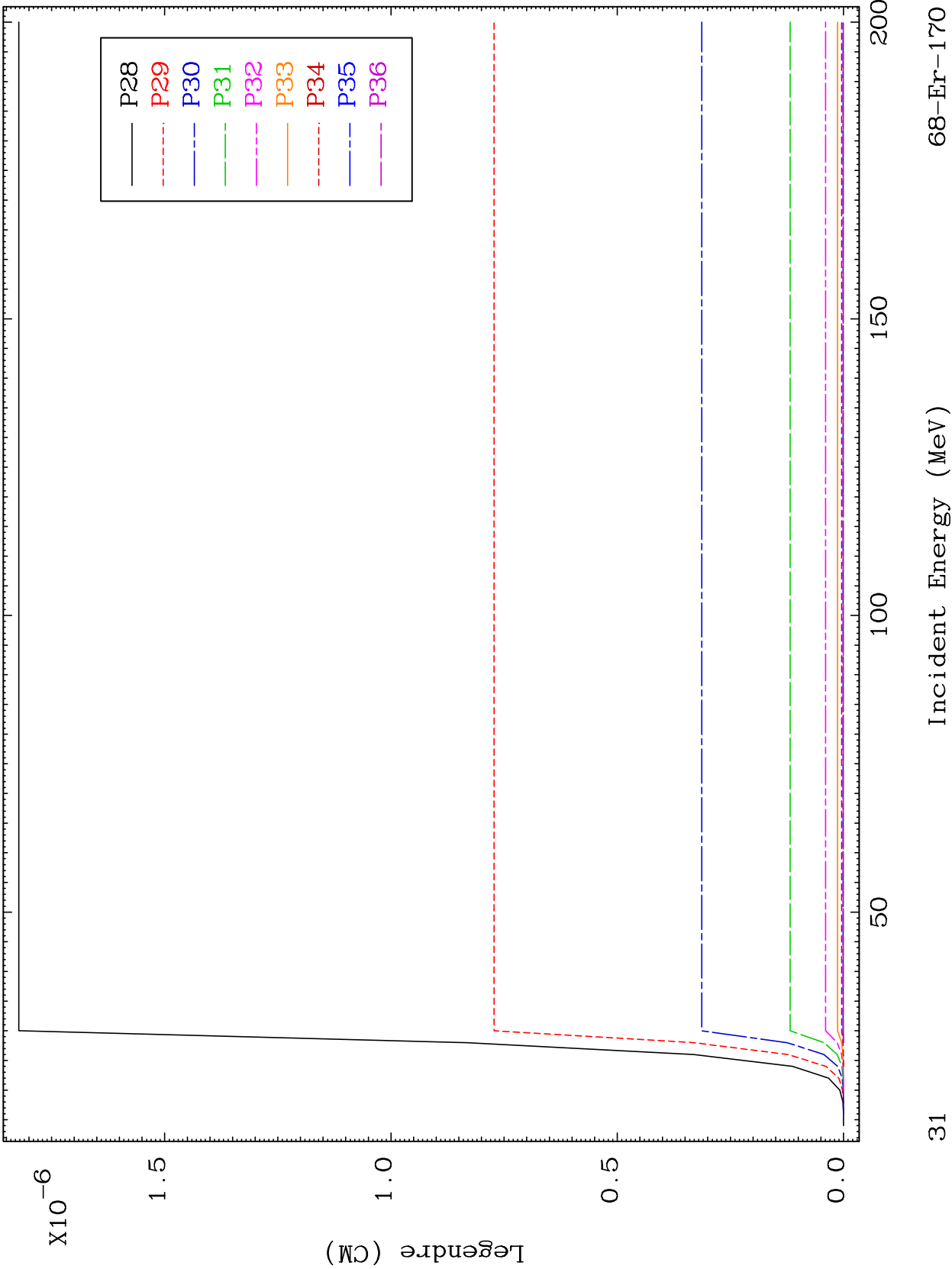
68-Er-170



MAT 6849

MT= 53 (n,n') Level
Legendre Coefficients

68-Er-170



31

Incident Energy (MeV)

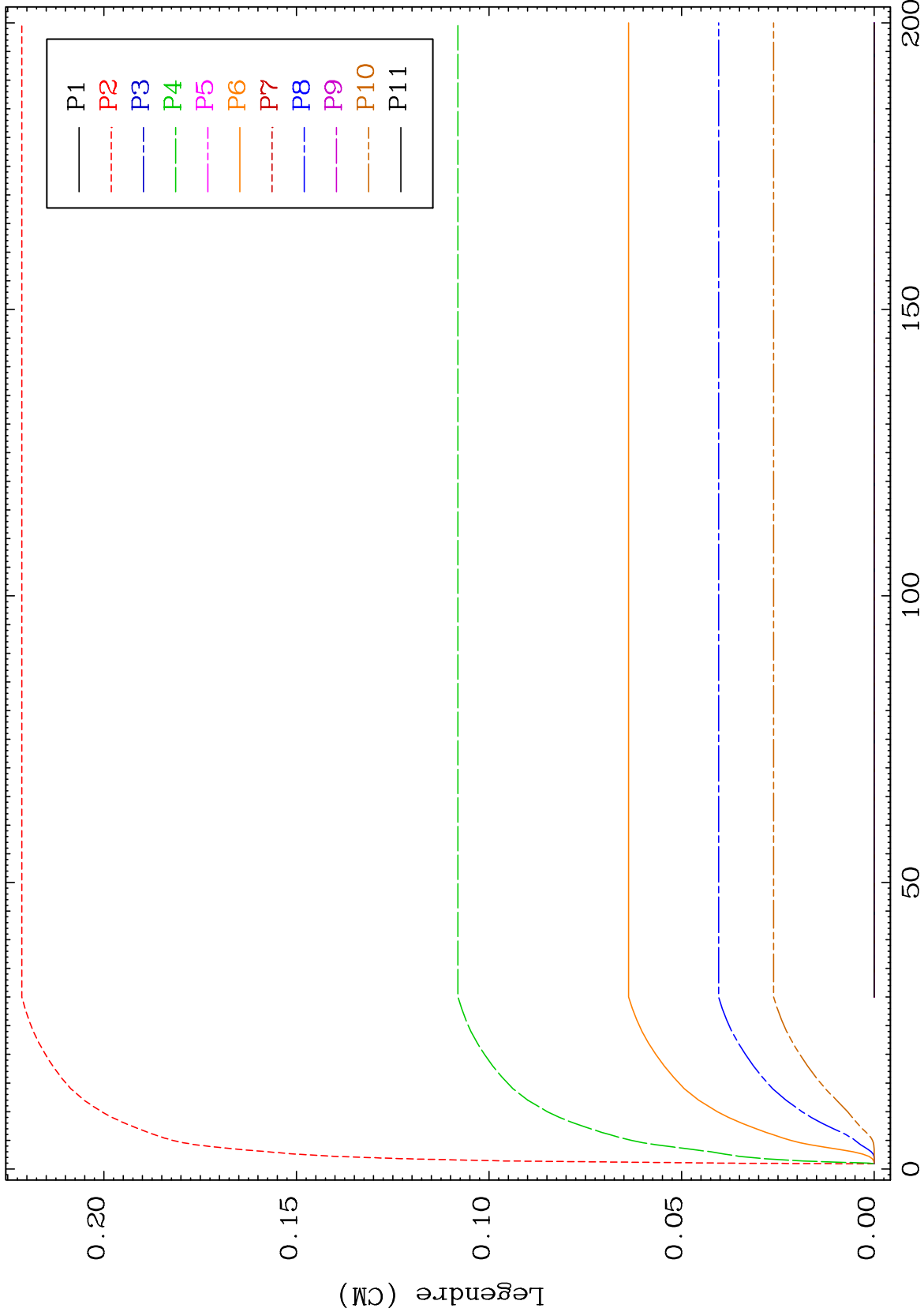
68-Er-170

MAT 6849

MT= 54 (n,n') Level

68-Er-170

Legendre Coefficients



32

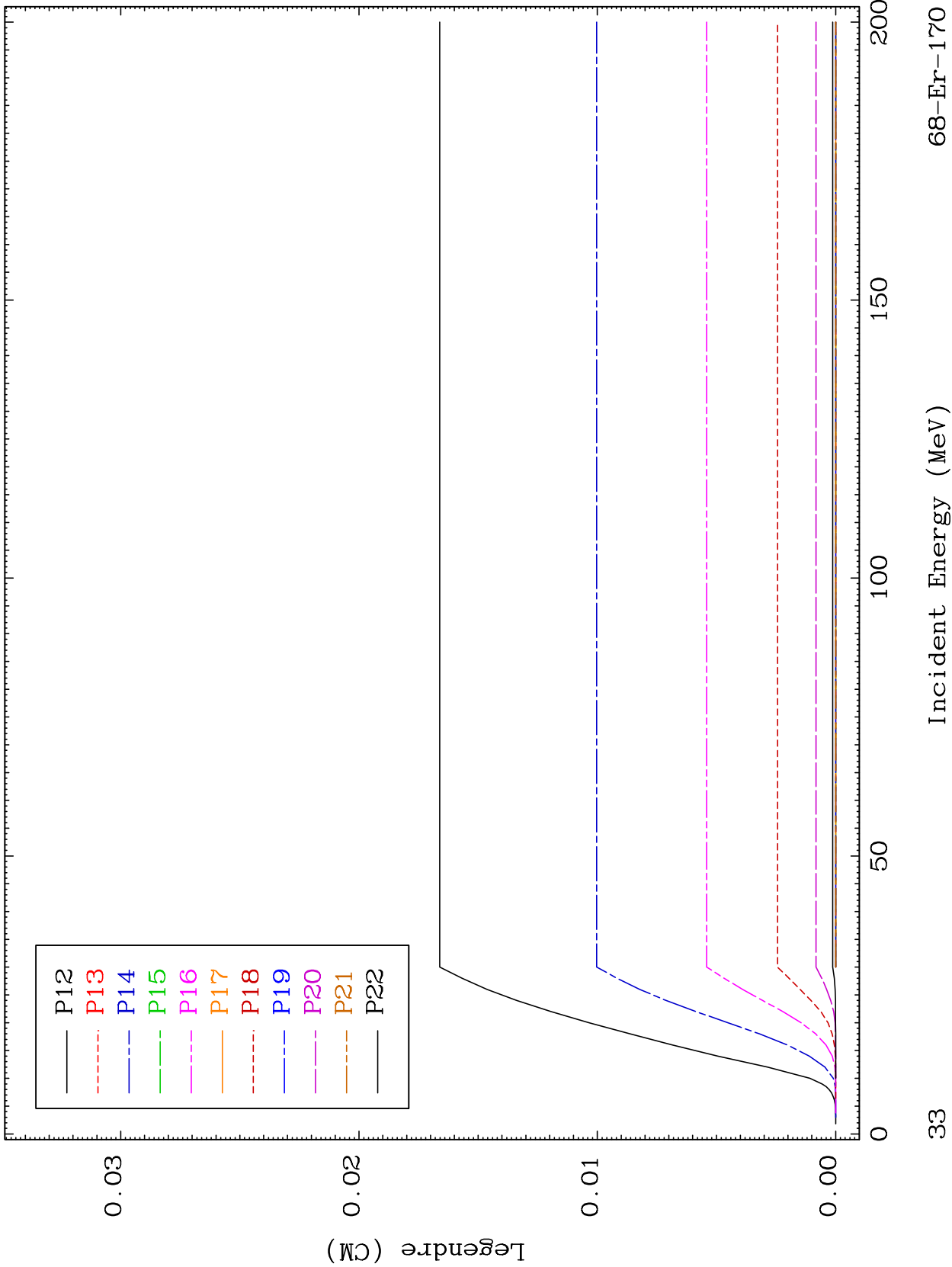
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 54 (n,n') Level
Legendre Coefficients

68-Er-170



33

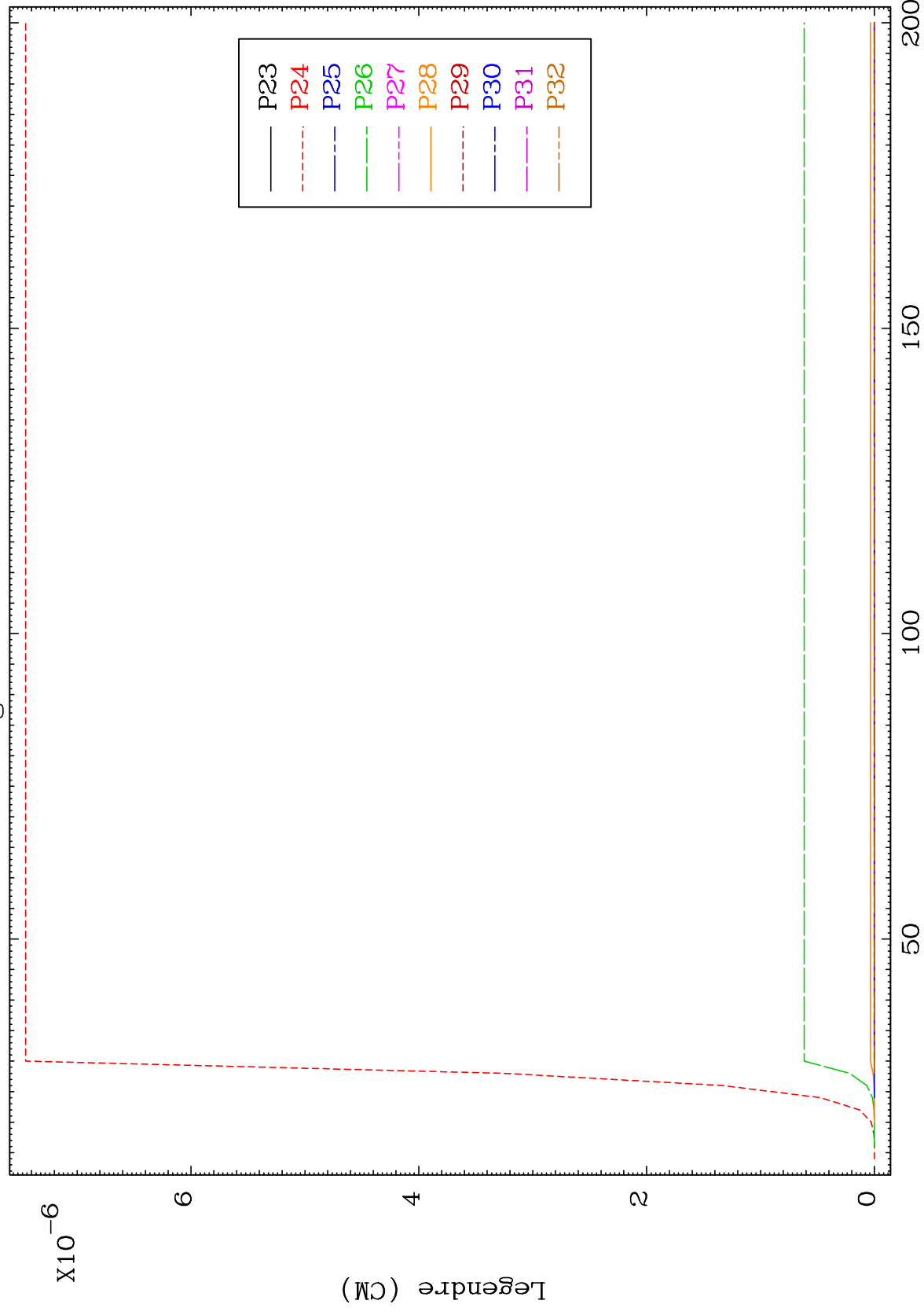
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 54 (n,n') Level
Legendre Coefficients

68-Er-170



34

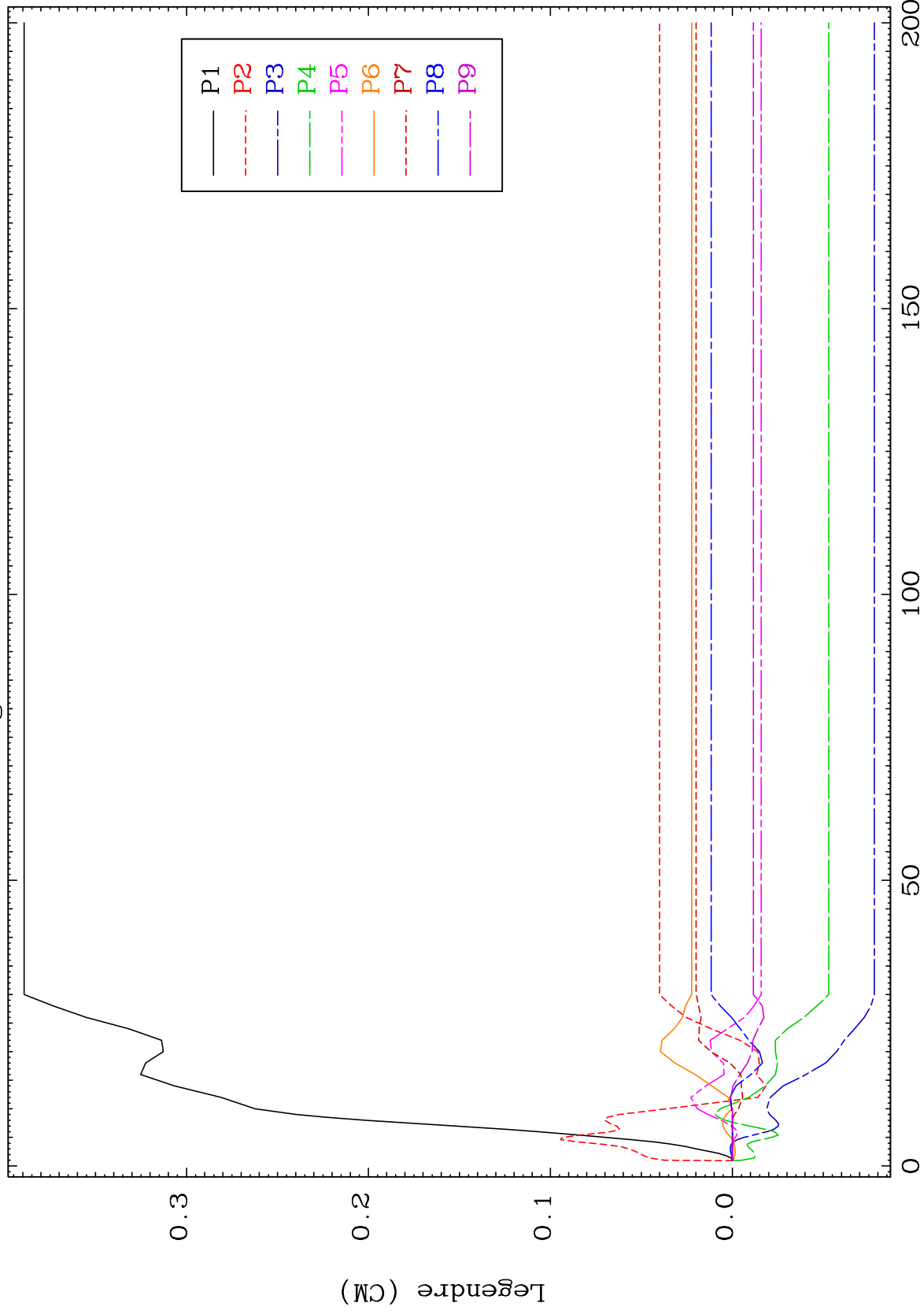
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 55 (n,n') Level
Legendre Coefficients

68-Er-170



35

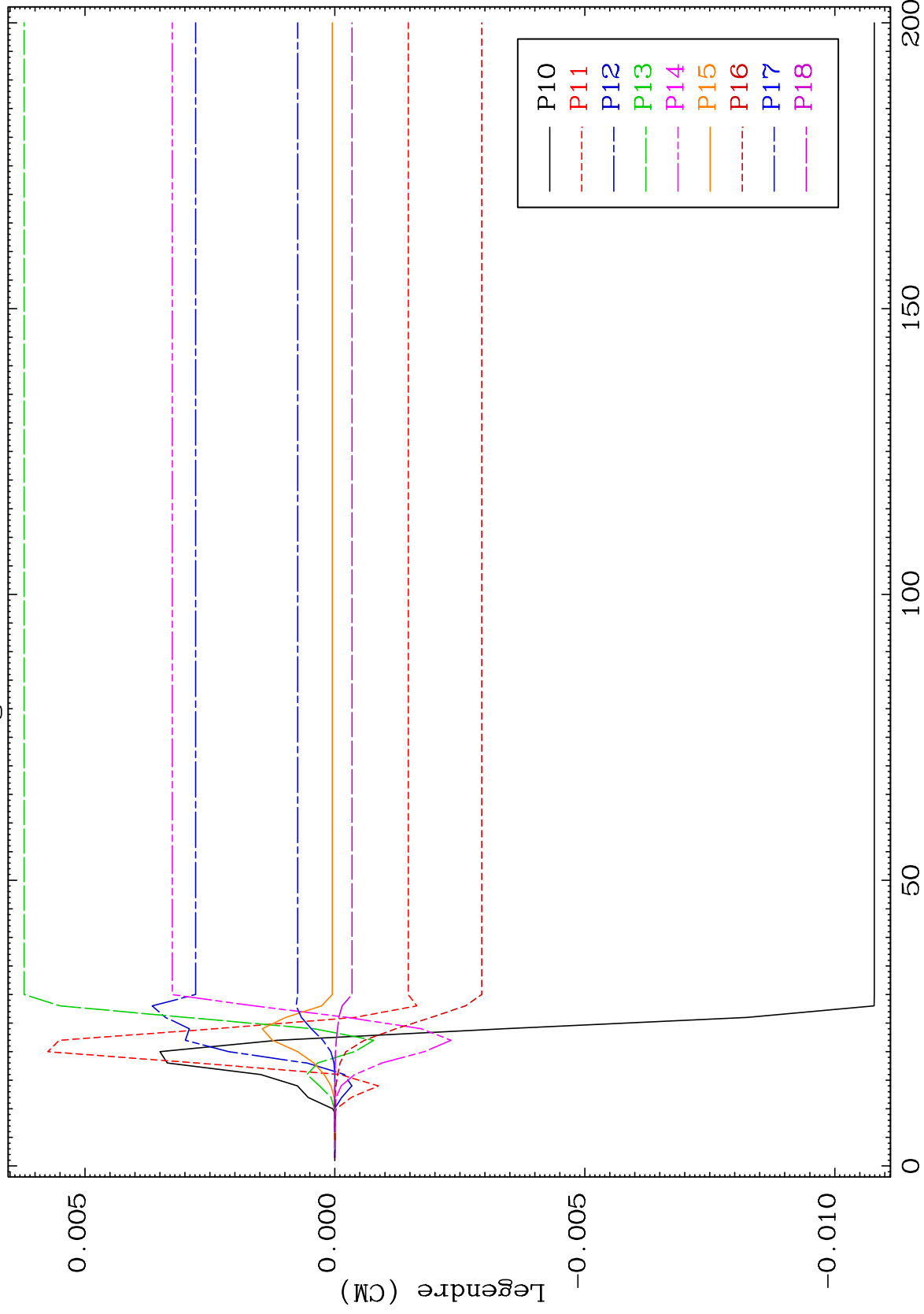
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 55 (n,n') Level
Legendre Coefficients

68-Er-170



36

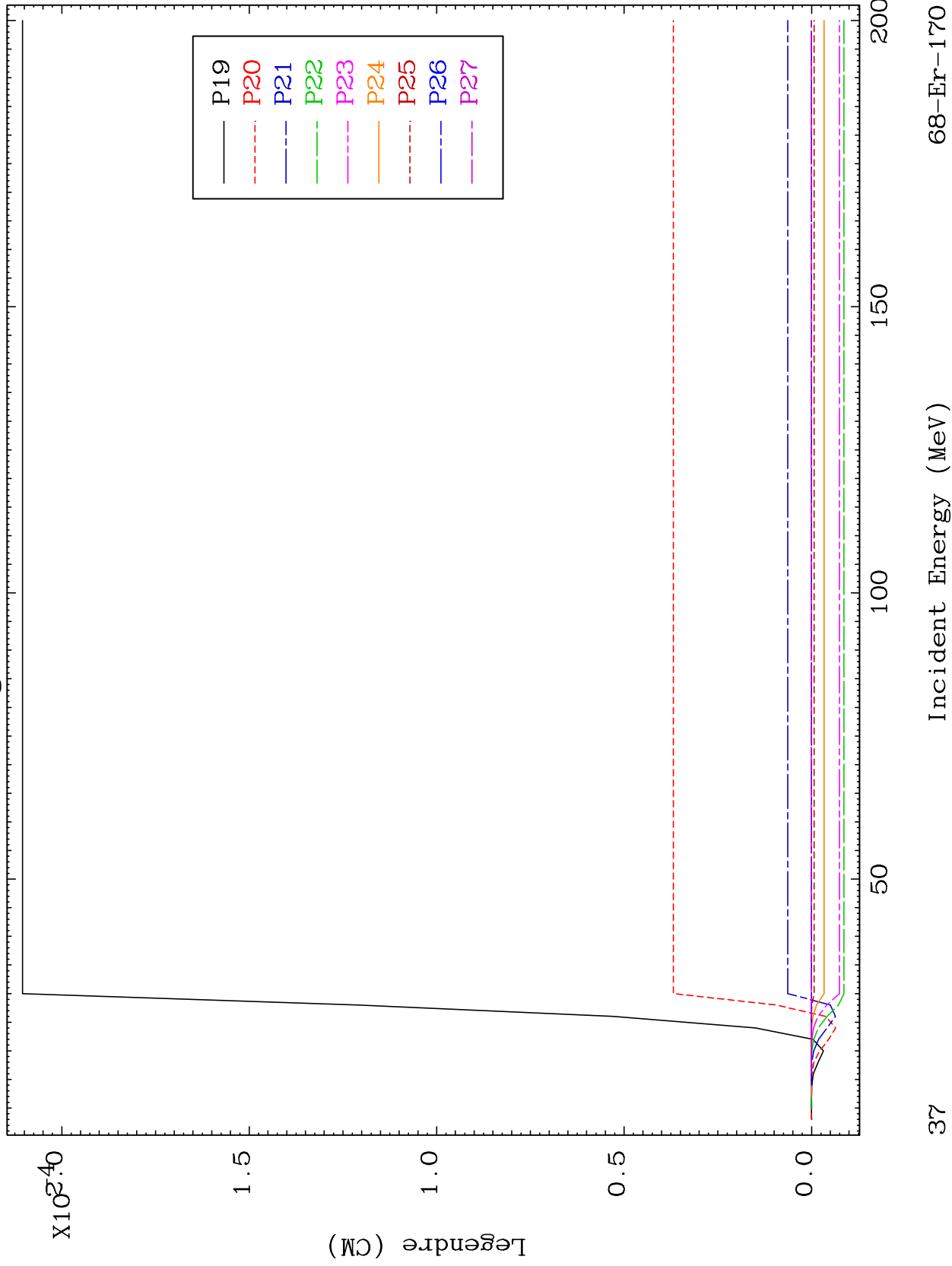
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 55 (n,n') Level
Legendre Coefficients

68-Er-170



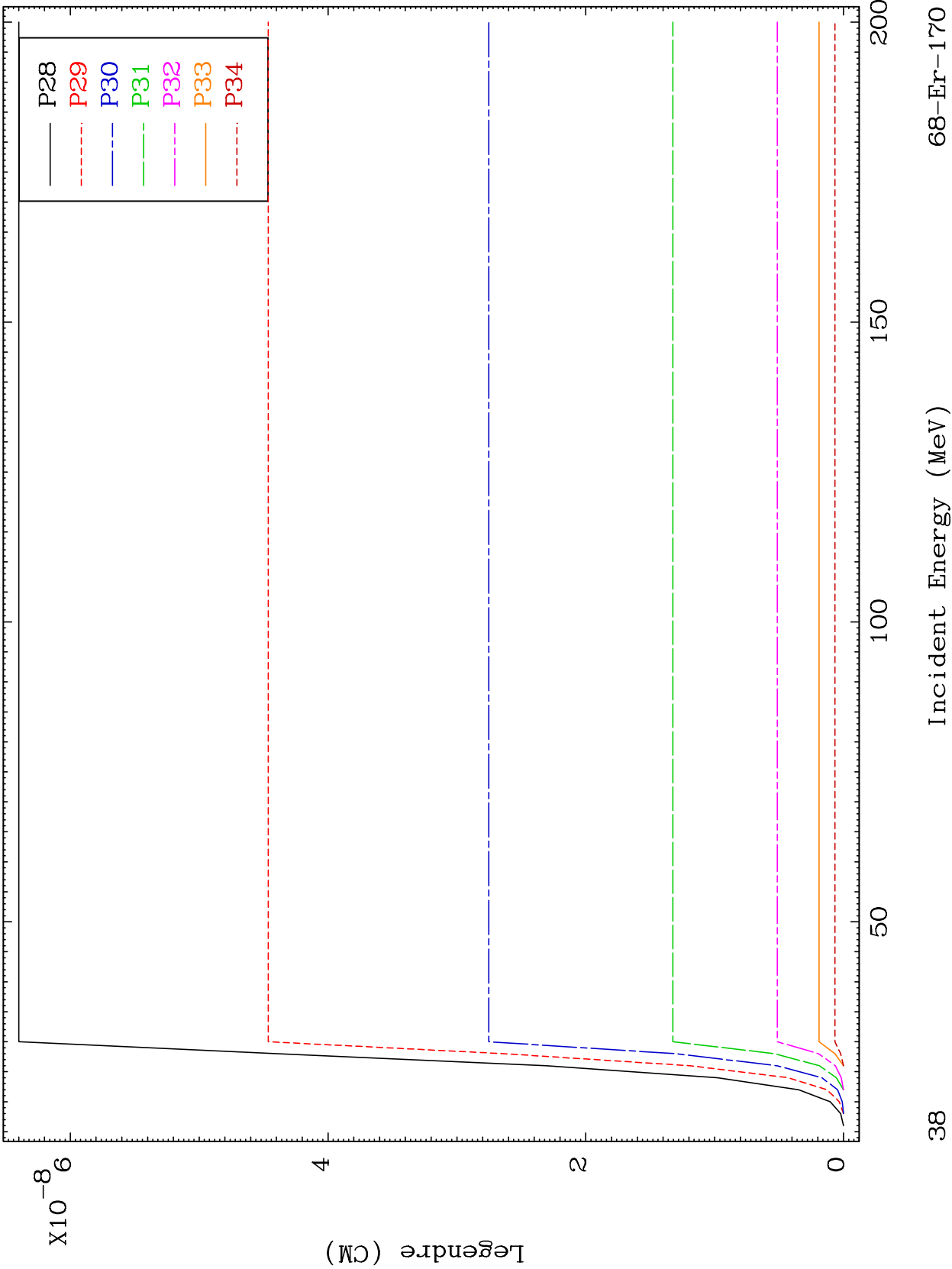
37

68-Er-170

MAT 6849

MT= 55 (n,n') Level
Legendre Coefficients

68-Er-170



38

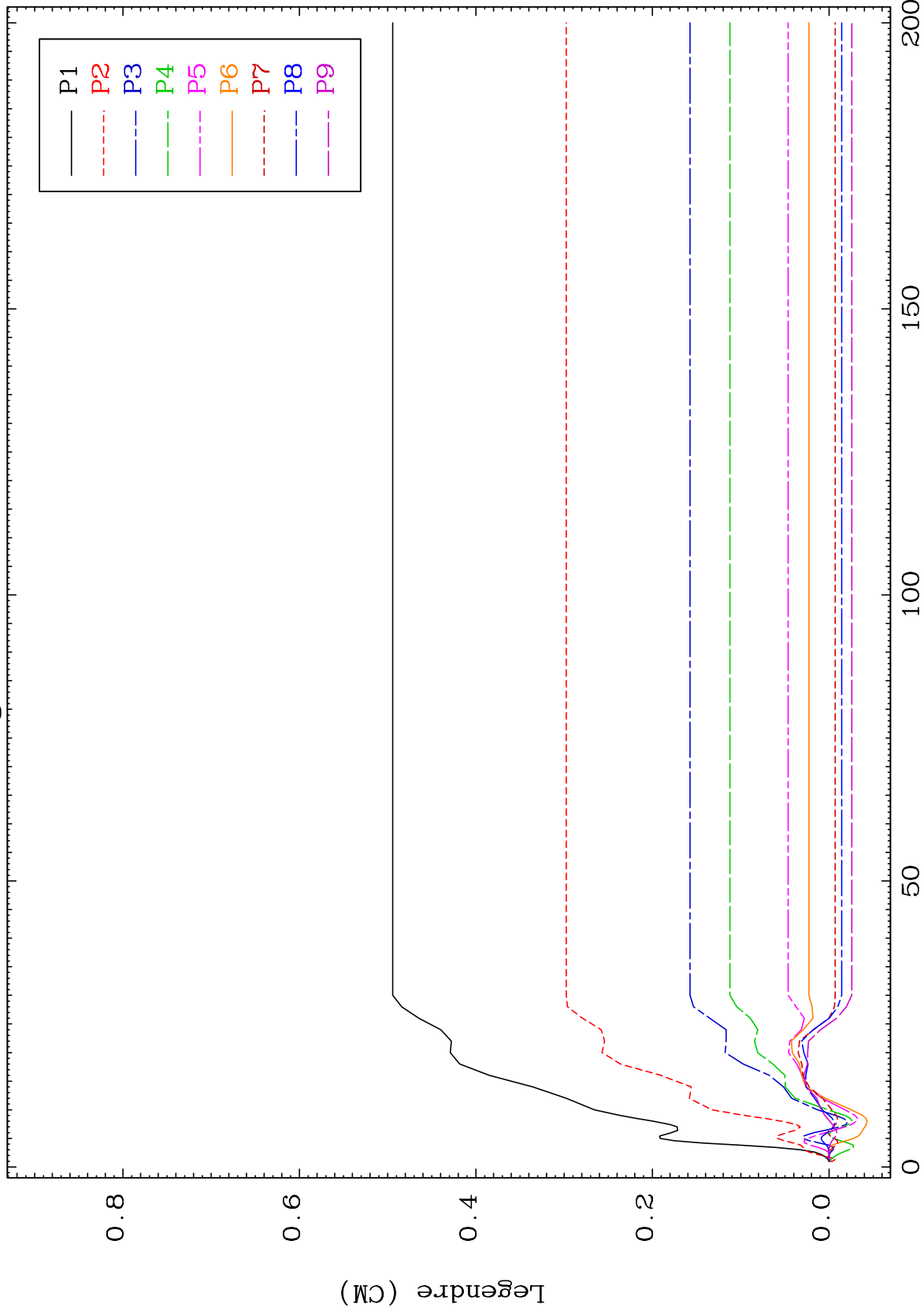
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 56 (n,n') Level
Legendre Coefficients

68-Er-170



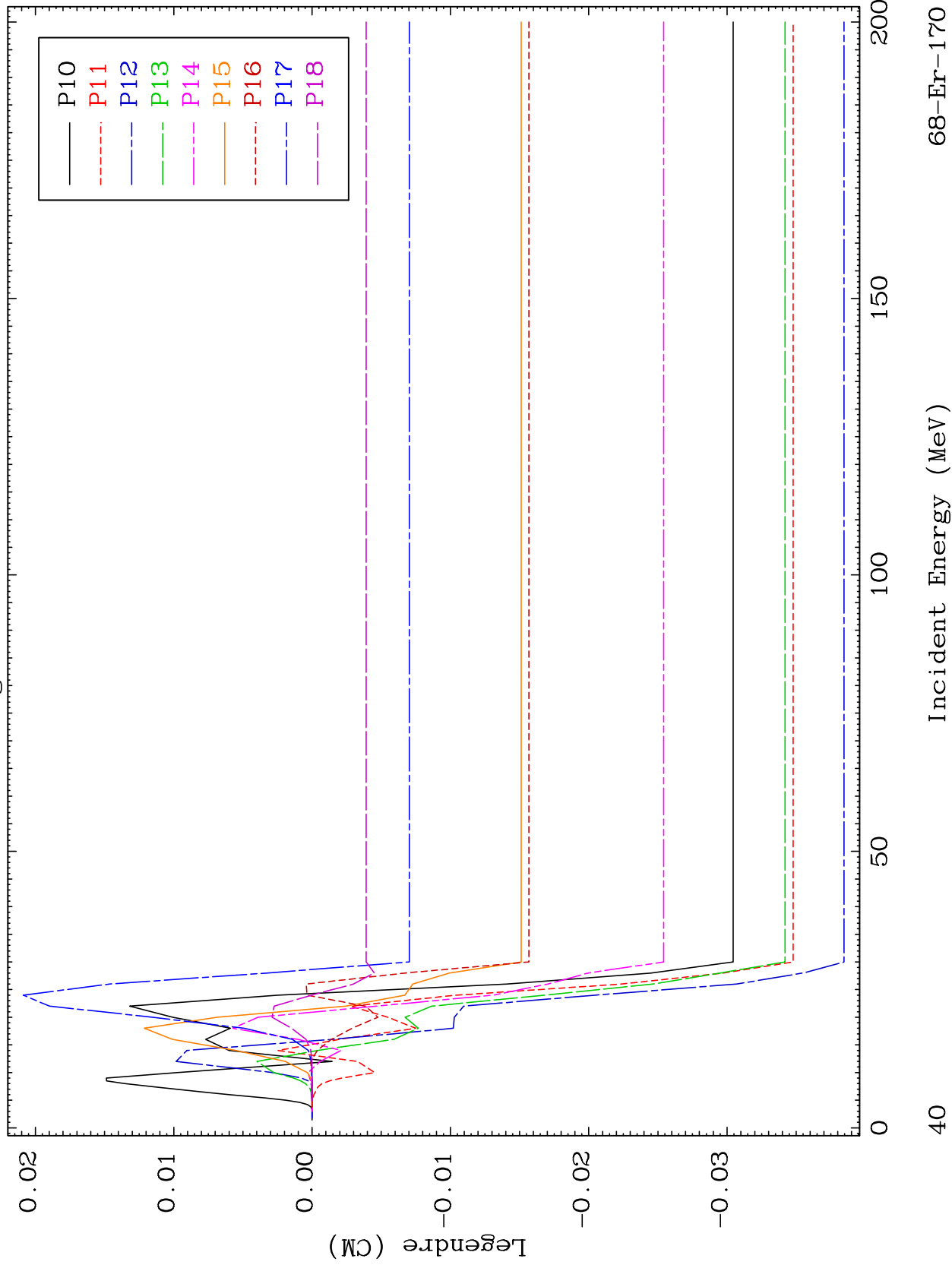
39

68-Er-170

MAT 6849

MT= 56 (n,n') Level
Legendre Coefficients

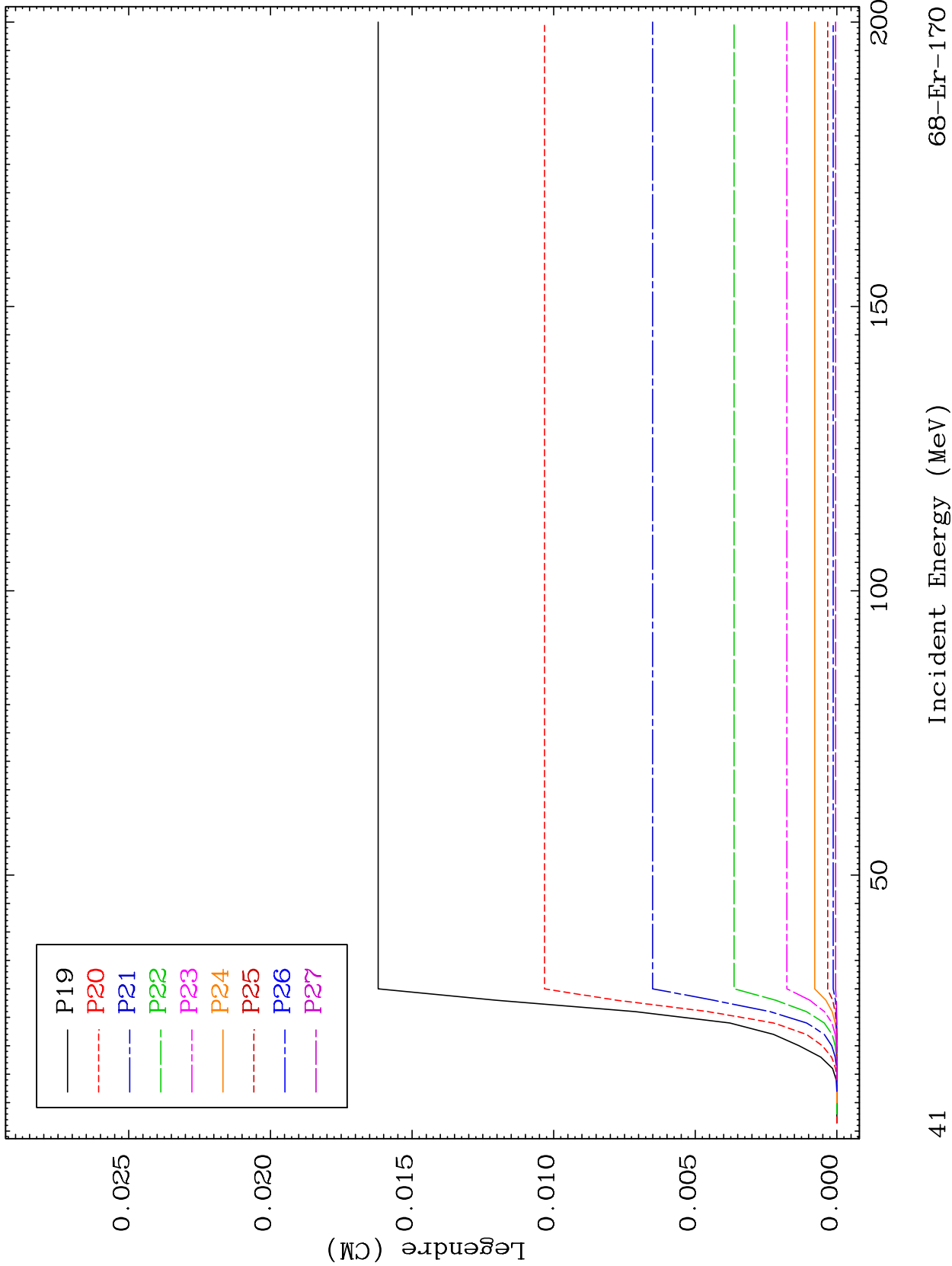
68-Er-170



68-Er-170

Incident Energy (MeV)

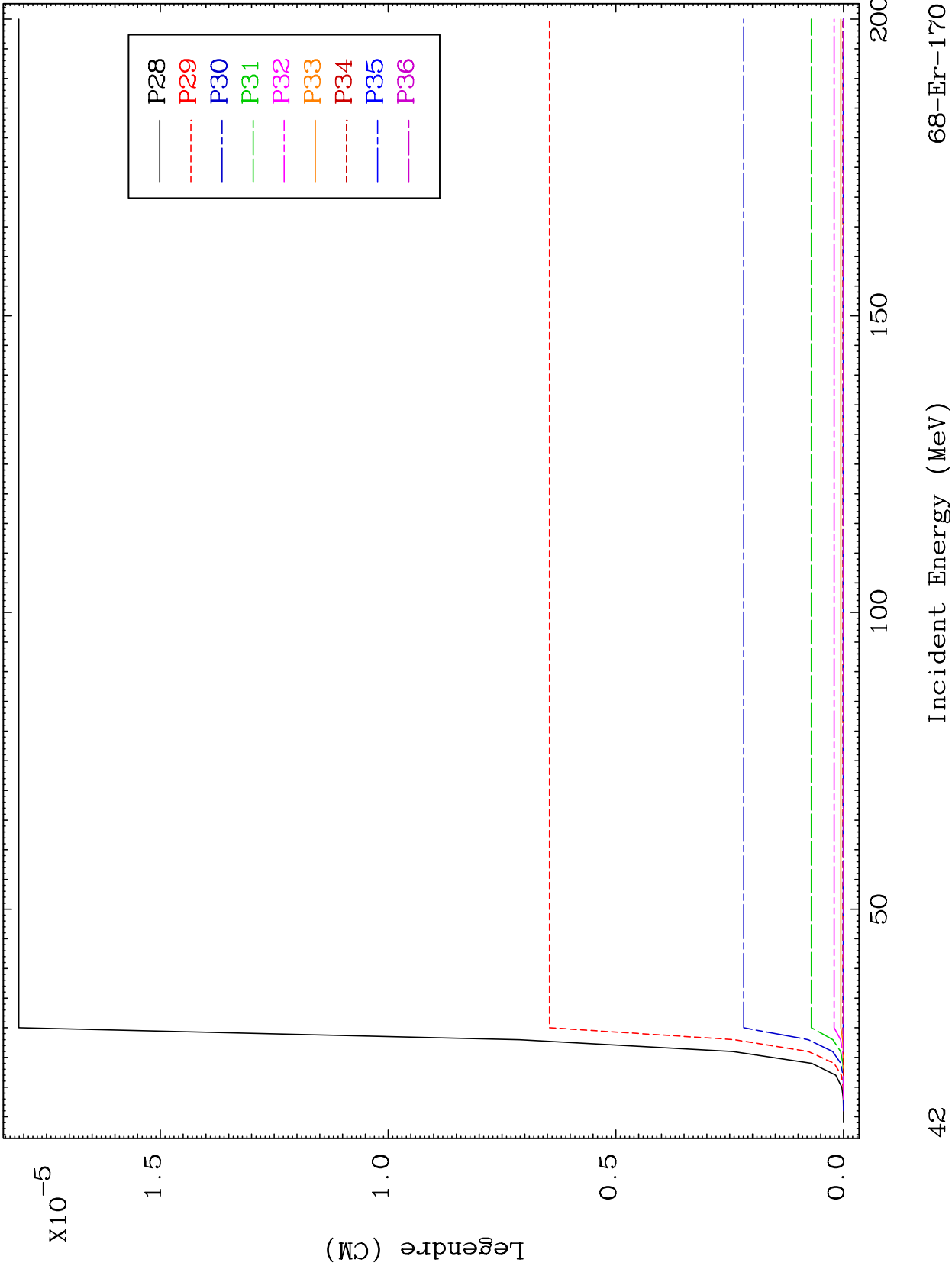
40



MAT 6849

MT= 56 (n,n') Level
Legendre Coefficients

68-Er-170



42

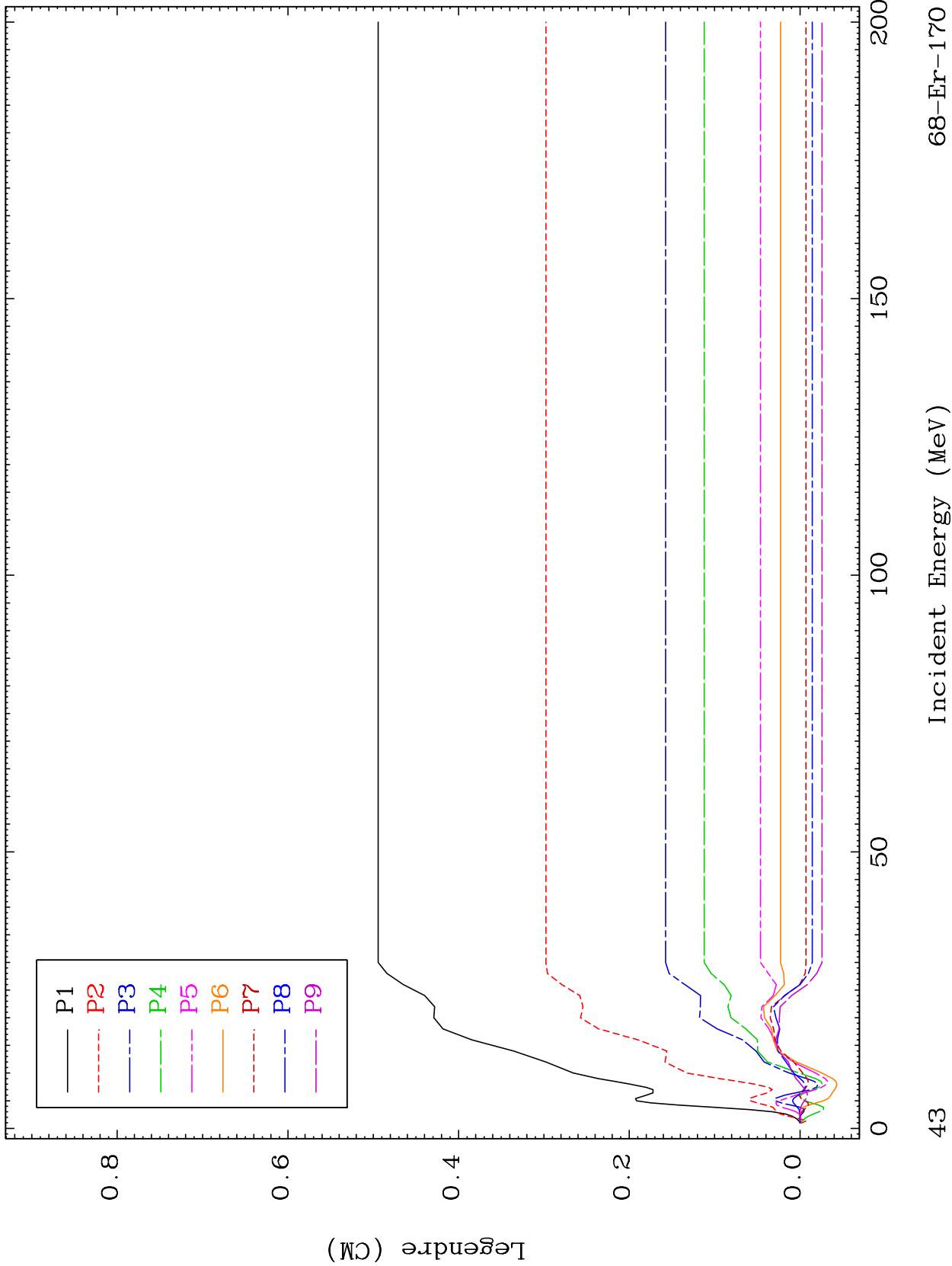
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 57 (n,n') Level
Legendre Coefficients

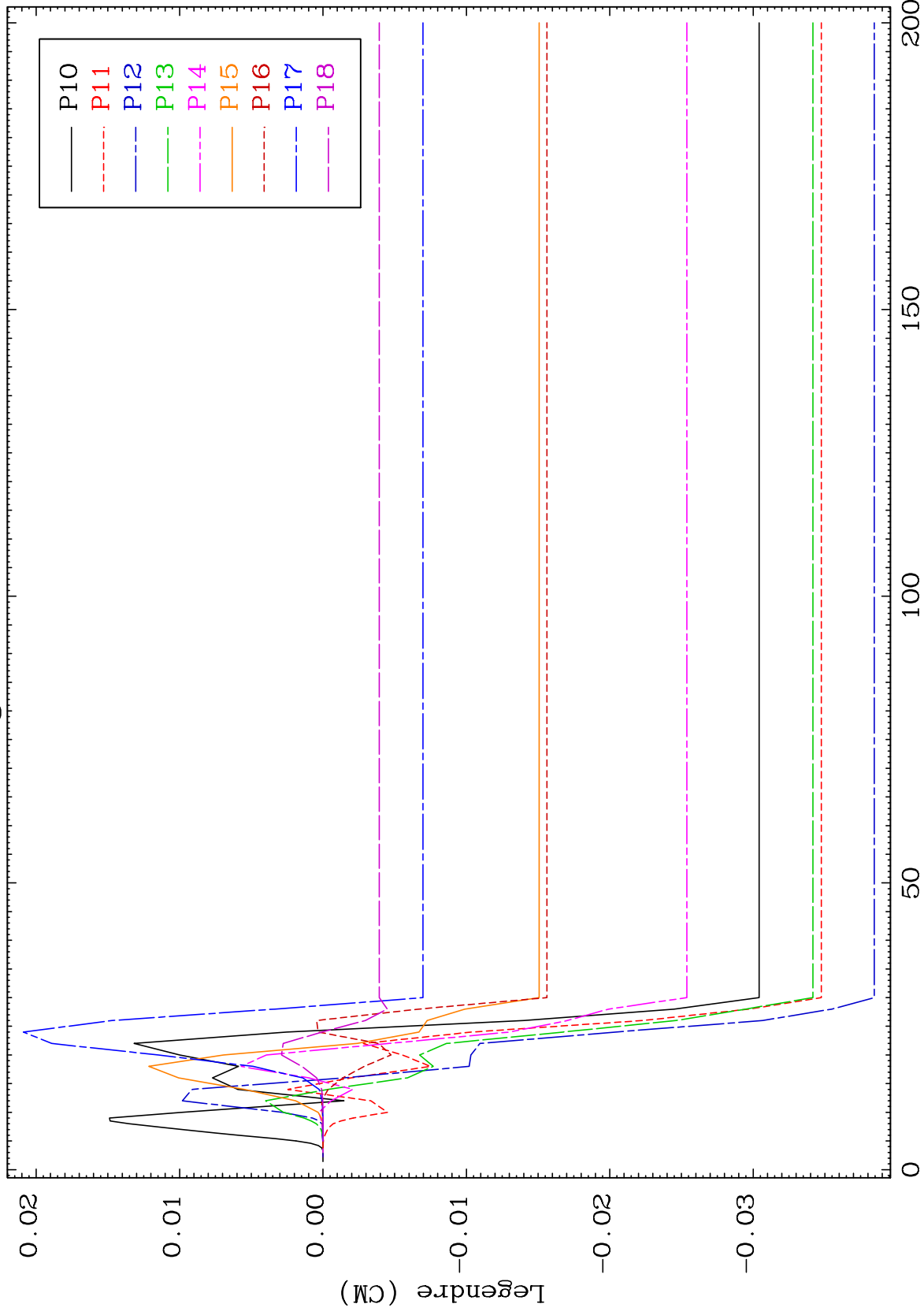
68-Er-170



MAT 6849

MT= 57 (n,n') Level
Legendre Coefficients

68-Er-170



44

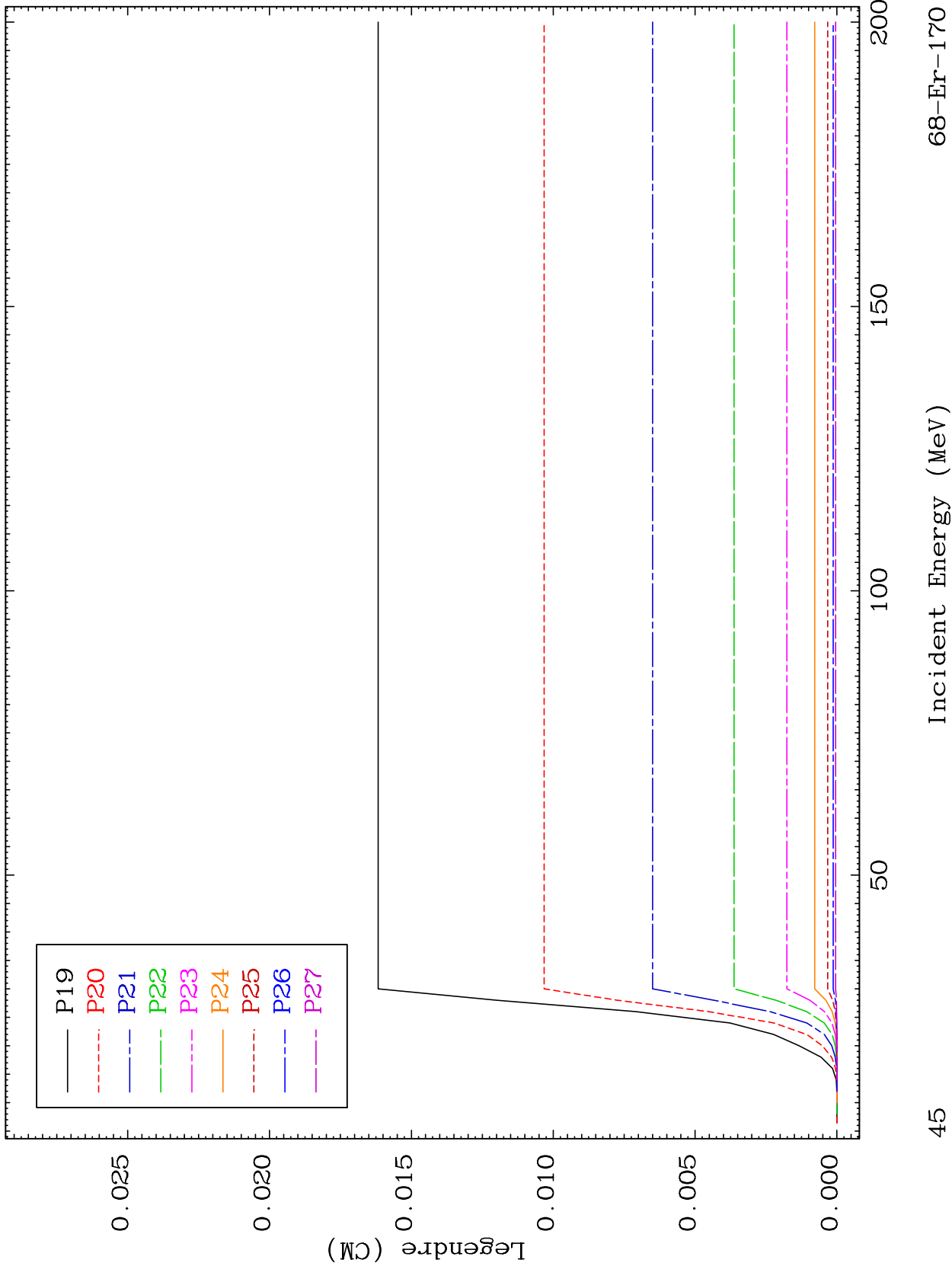
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 57 (n,n') Level
Legendre Coefficients

68-Er-170



45

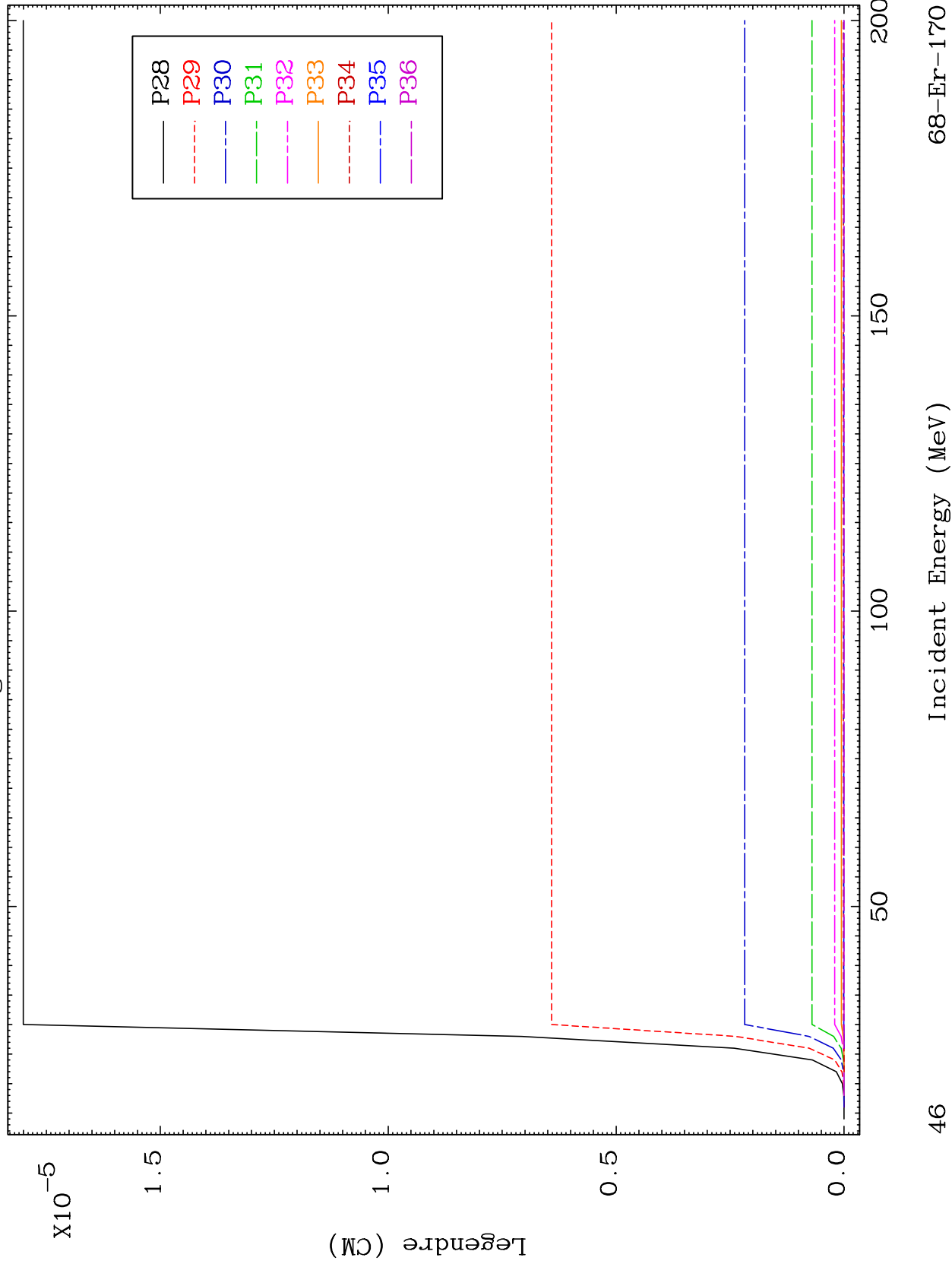
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 57 (n,n') Level
Legendre Coefficients

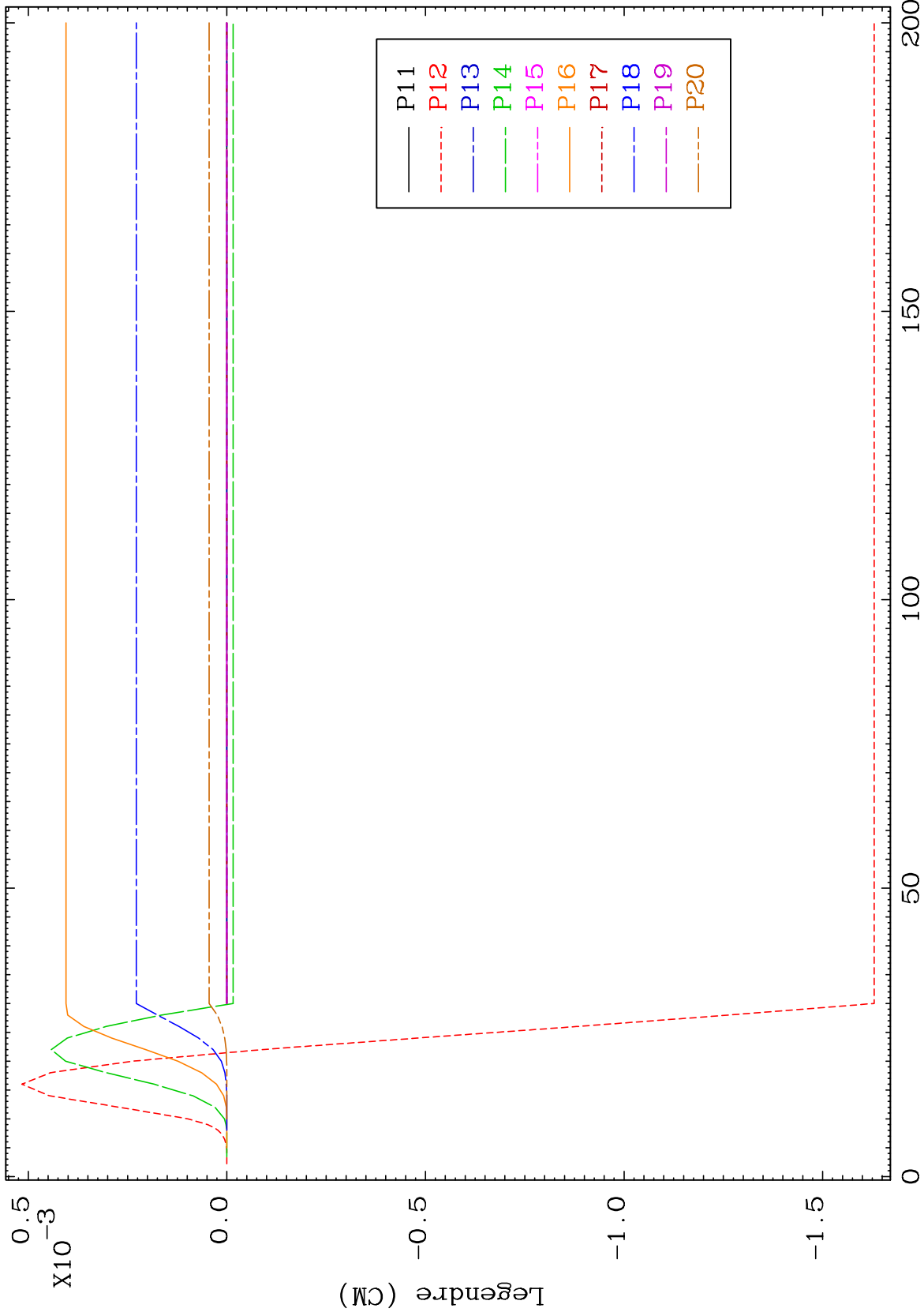
68-Er-170



MAT 6849

MT= 58 (n,n') Level
Legendre Coefficients

68-Er-170



48

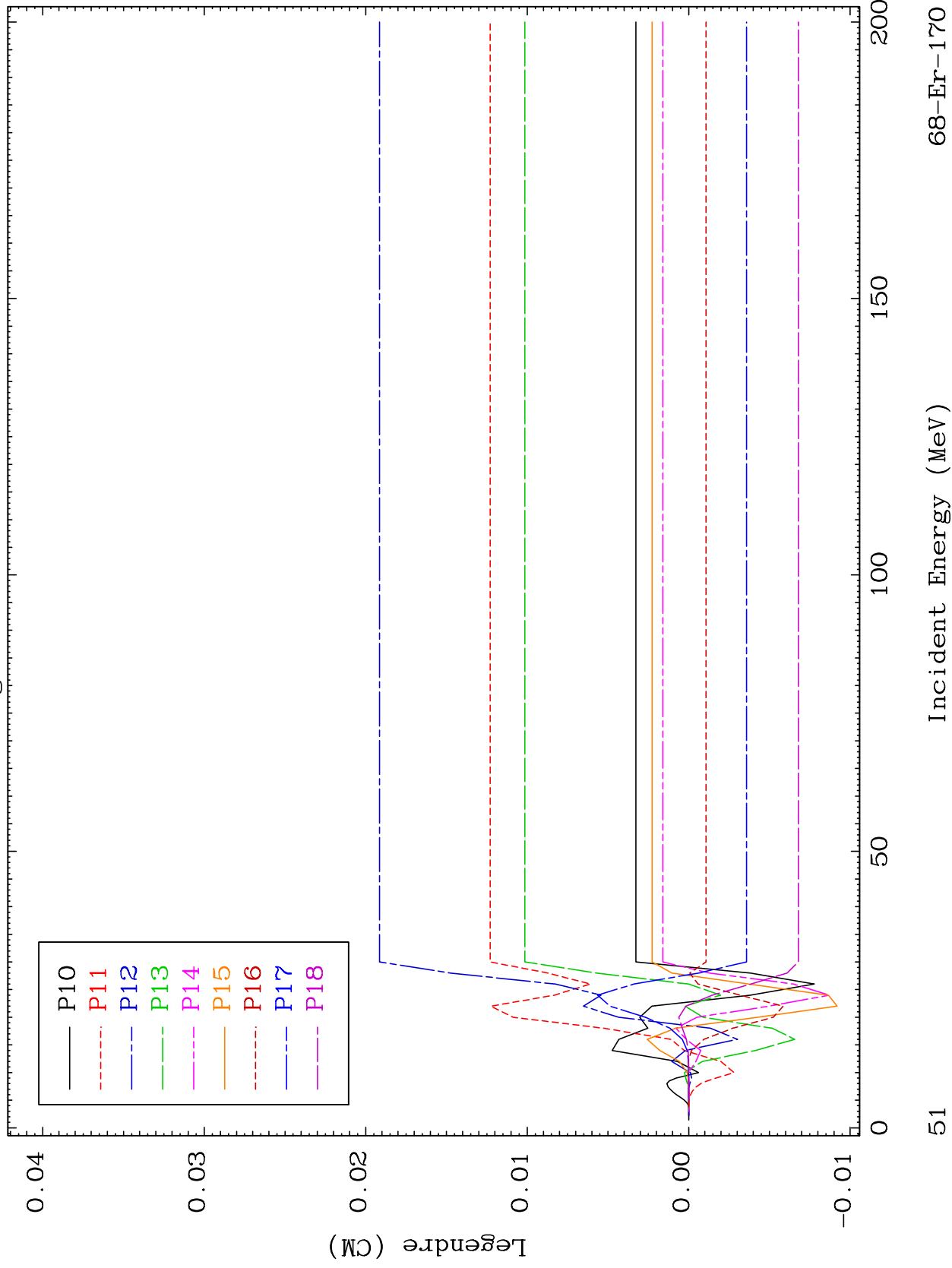
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 59 (n,n') Level
Legendre Coefficients

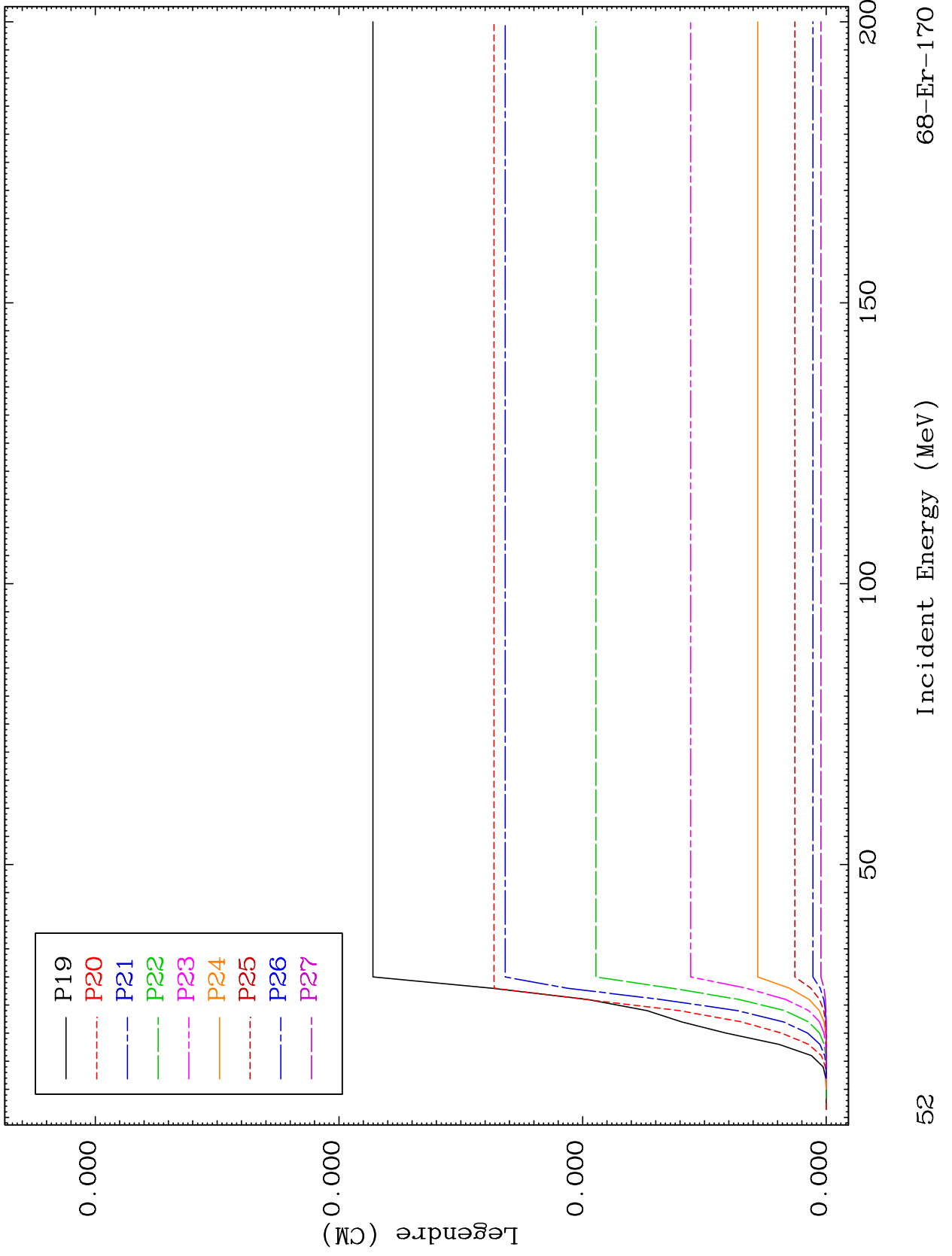
68-Er-170



MAT 6849

MT= 59 (n,n') Level
Legendre Coefficients

68-Er-170



52

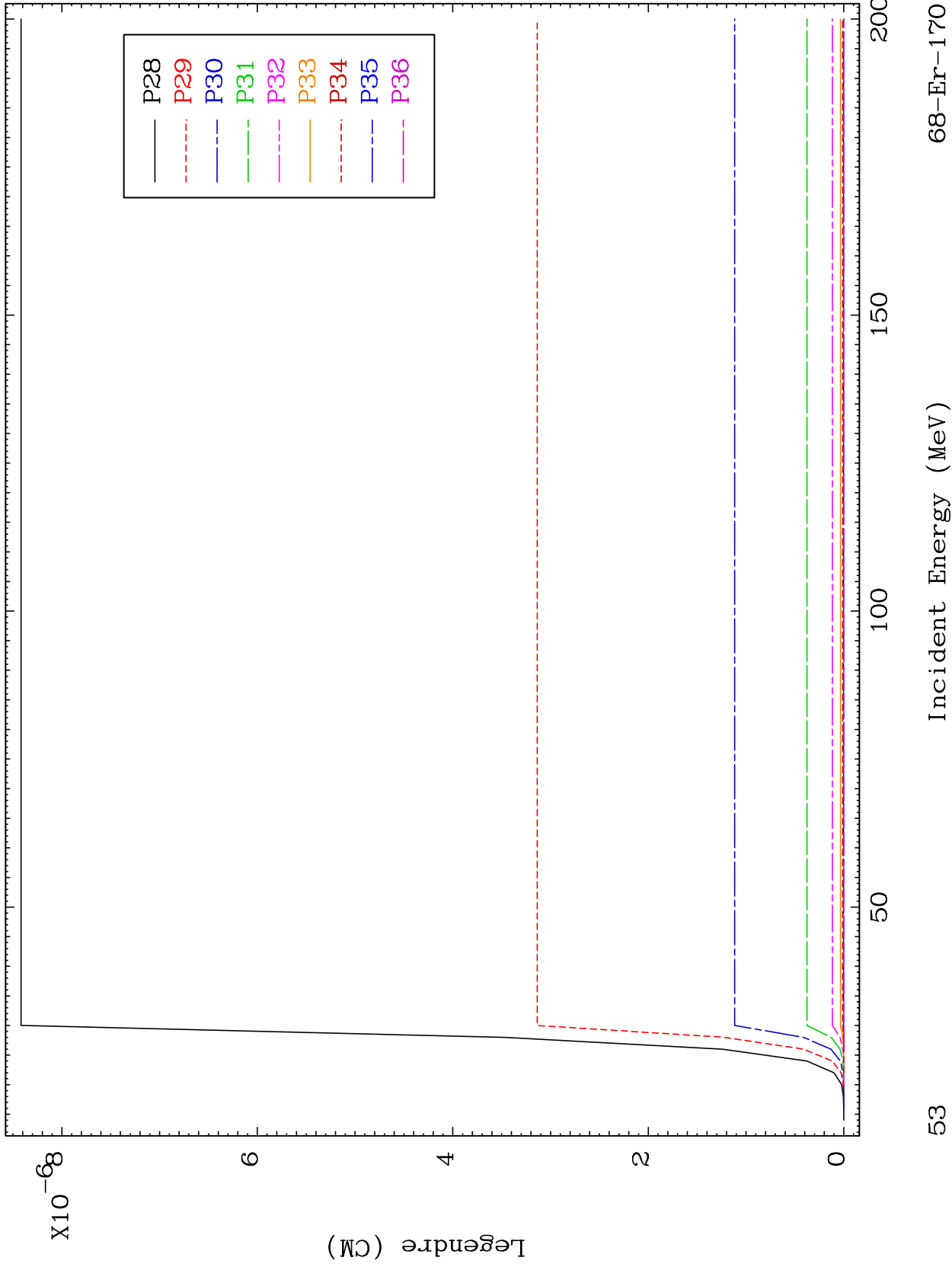
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 59 (n,n') Level
Legendre Coefficients

68-Er-170



53

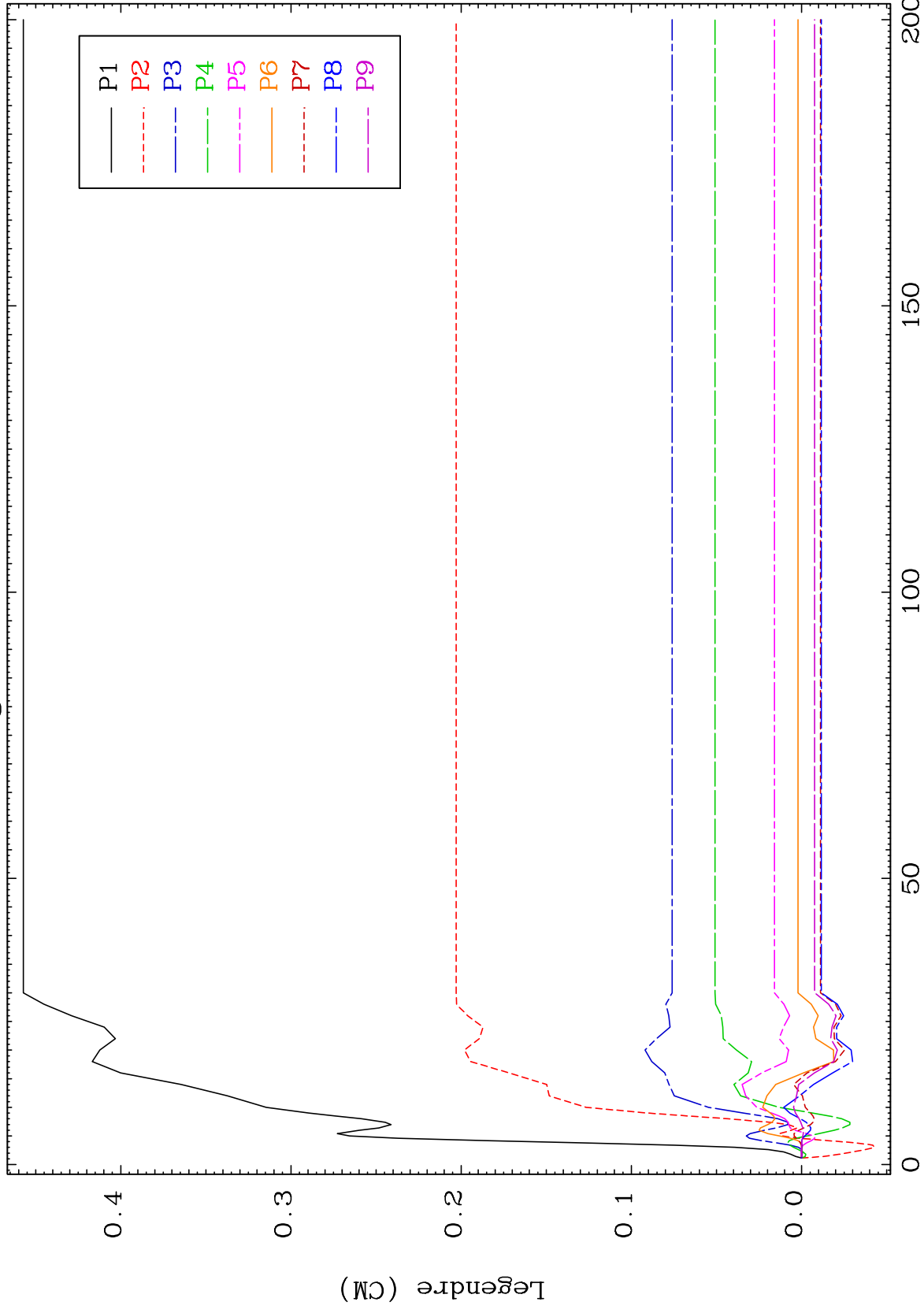
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 60 (n,n') Level
Legendre Coefficients

68-Er-170



68-Er-170

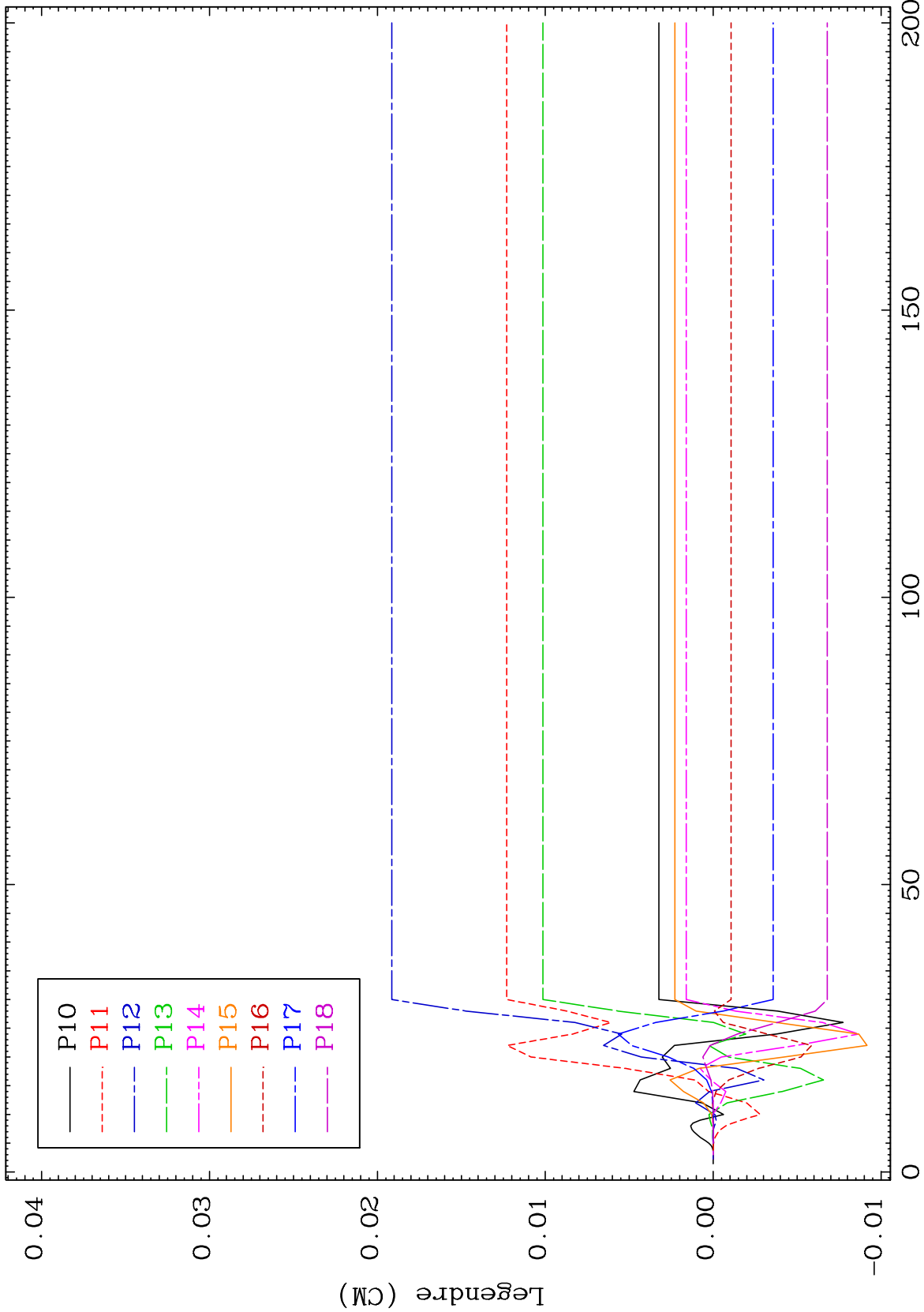
Incident Energy (MeV)

54

MAT 6849

MT= 60 (n,n') Level
Legendre Coefficients

68-Er-170



55

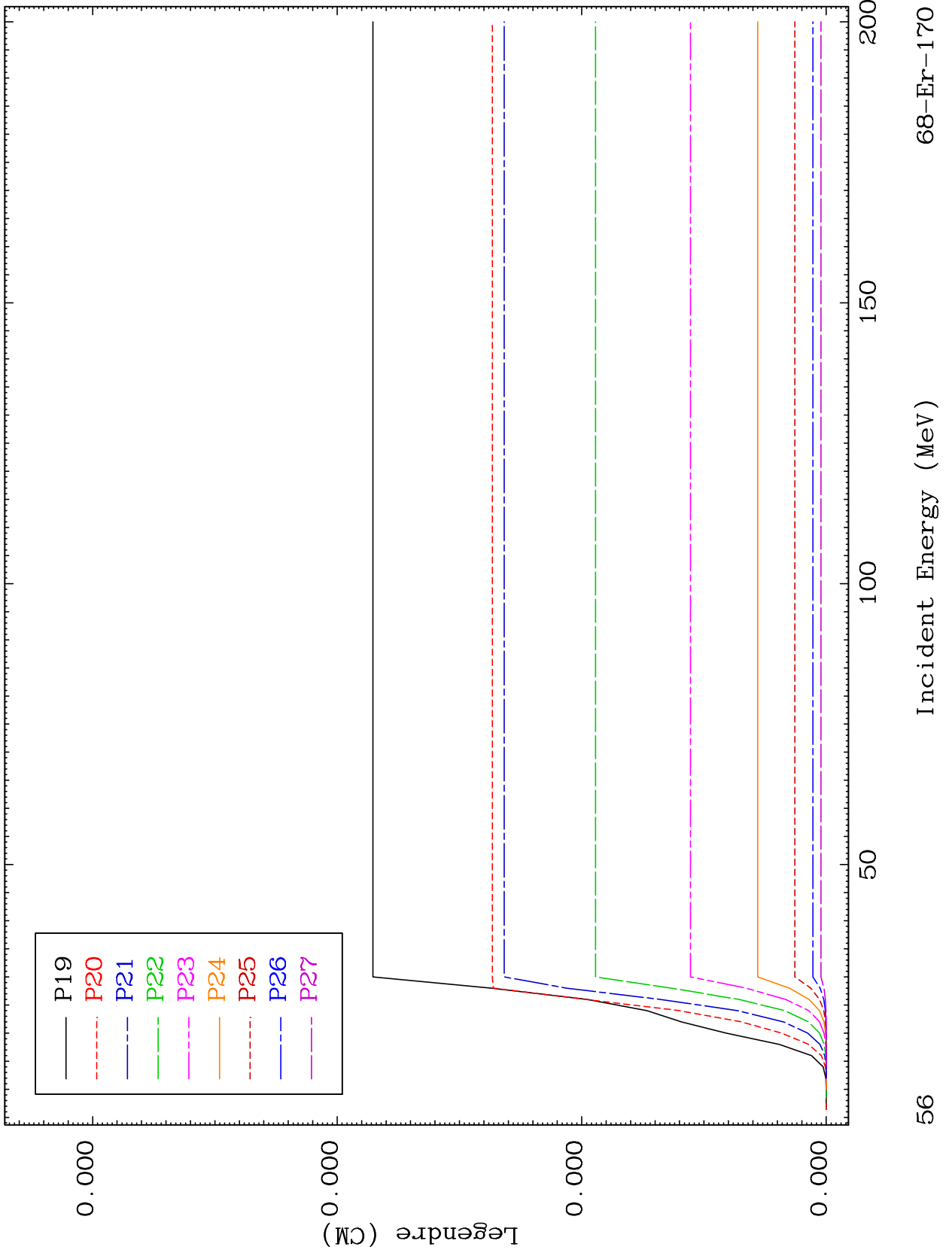
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 60 (n,n') Level
Legendre Coefficients

68-Er-170



56

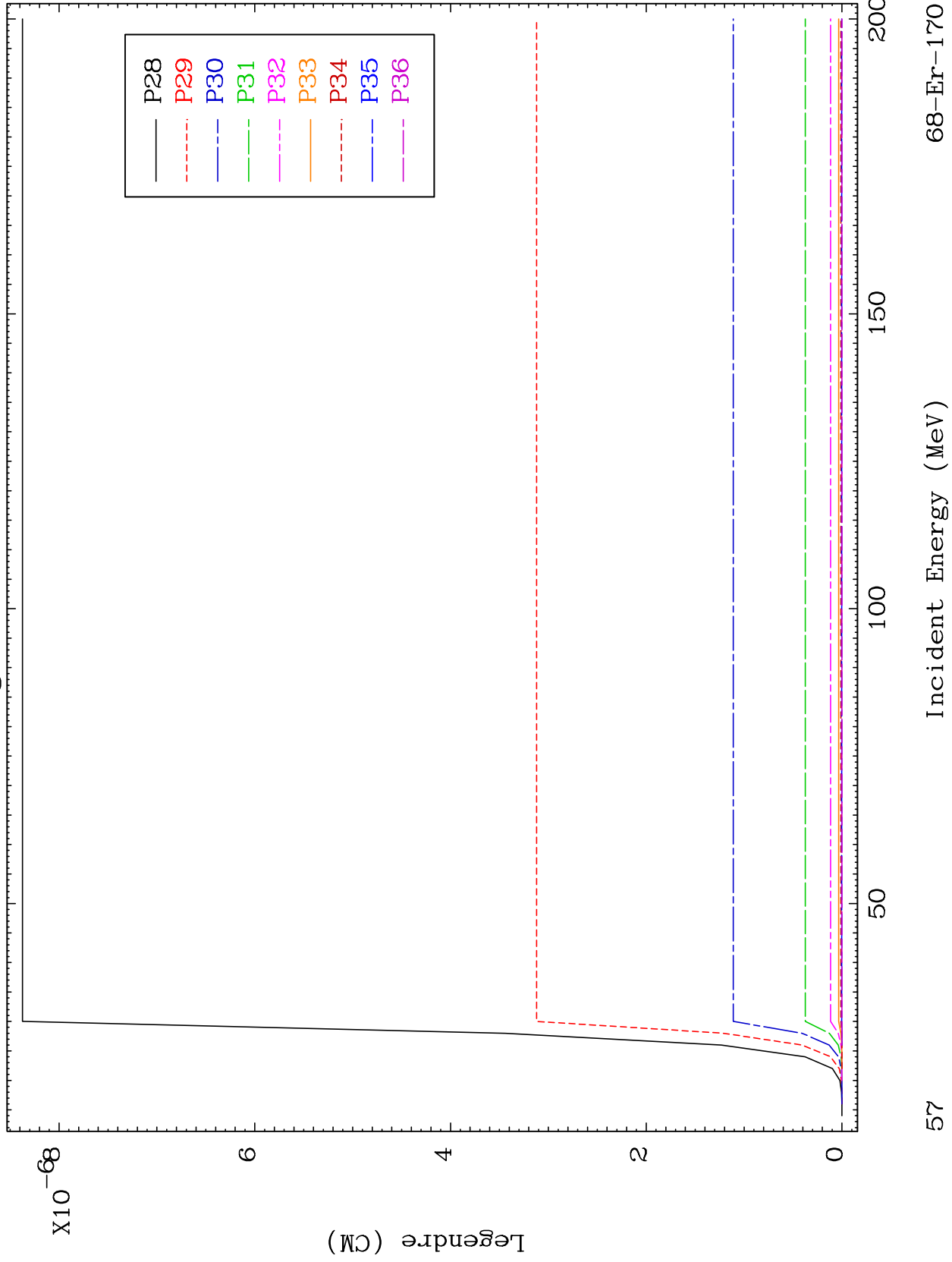
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 60 (n,n') Level
Legendre Coefficients

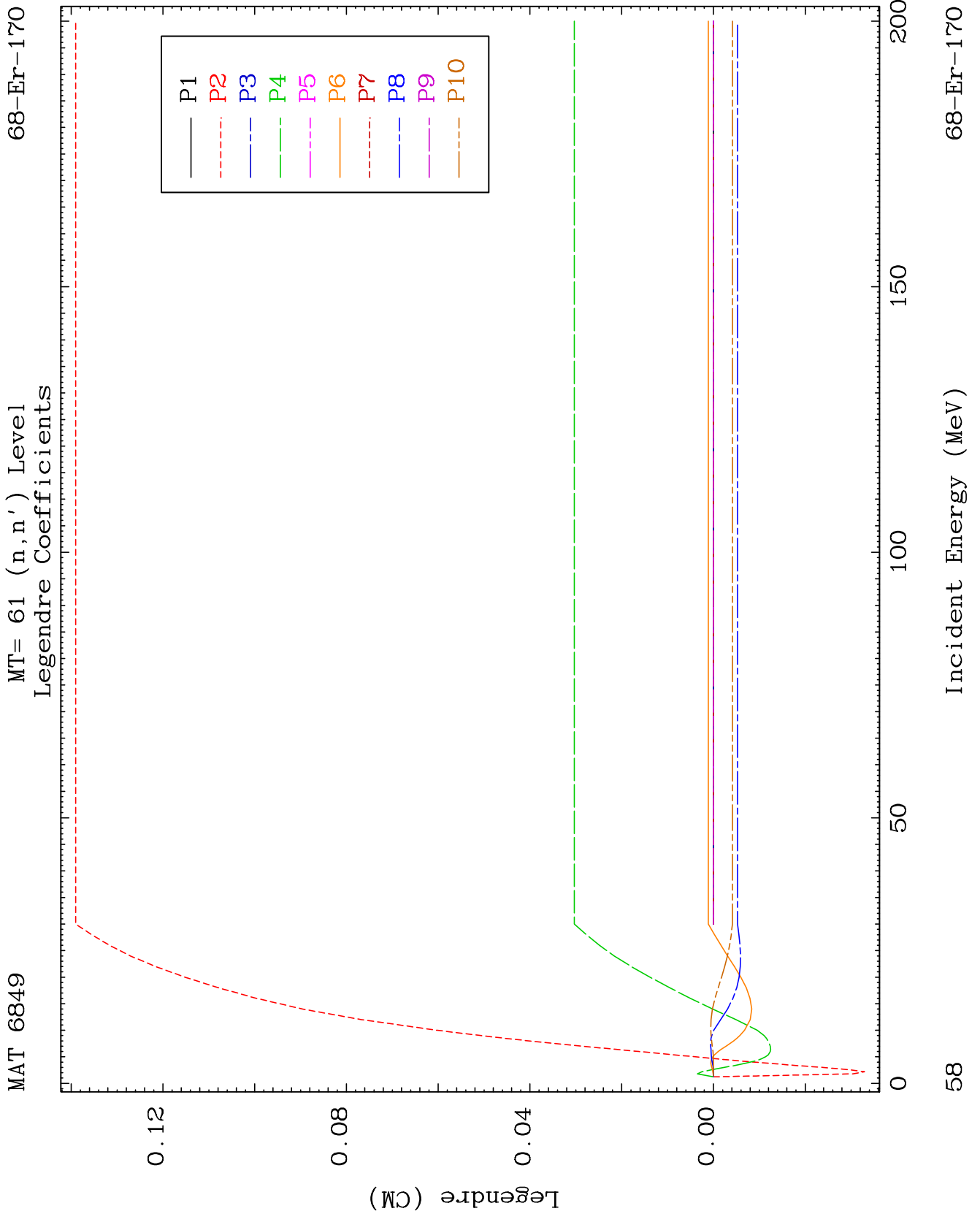
68-Er-170



57

Incident Energy (MeV)

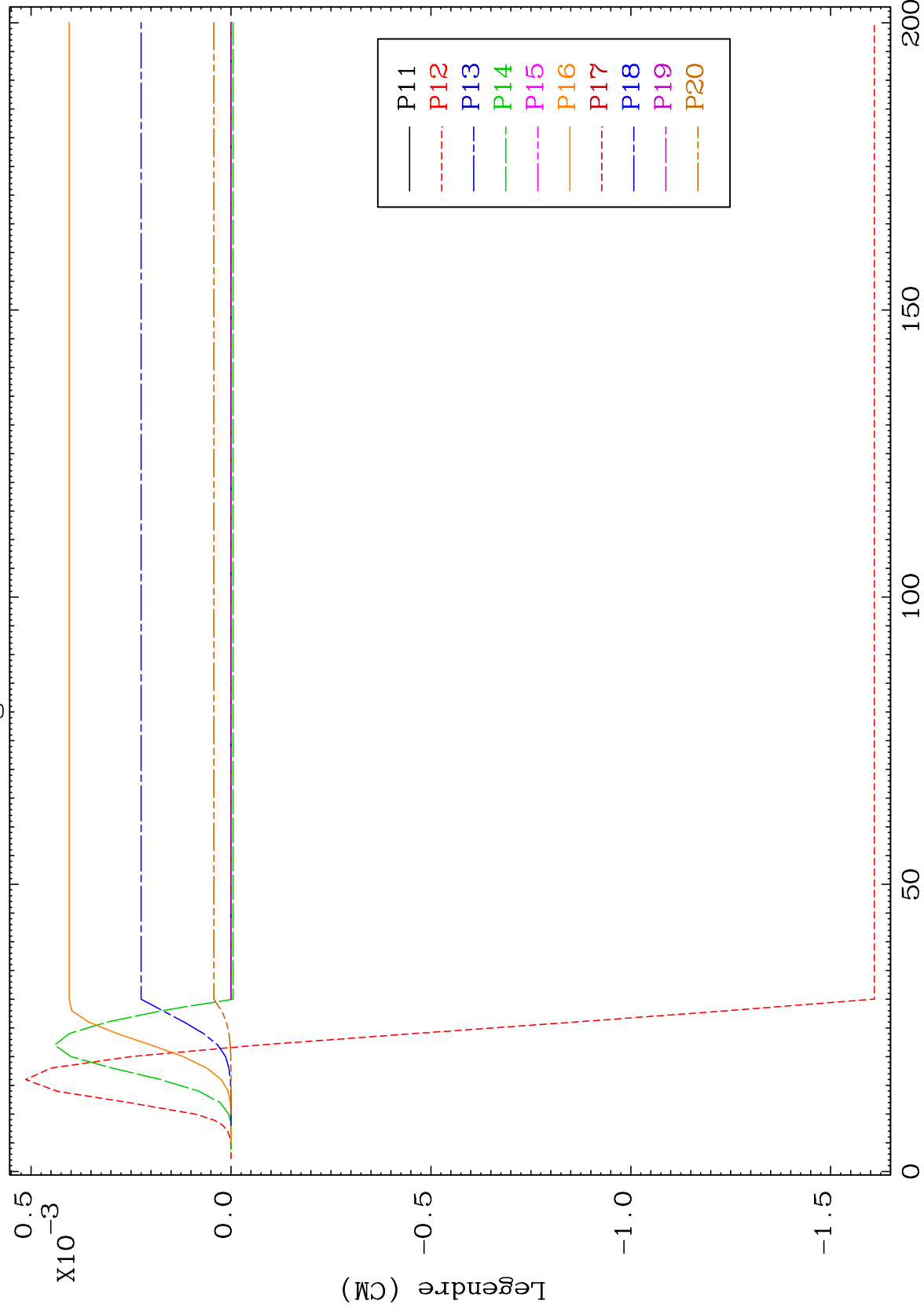
68-Er-170



MAT 6849

MT= 61 (n,n') Level
Legendre Coefficients

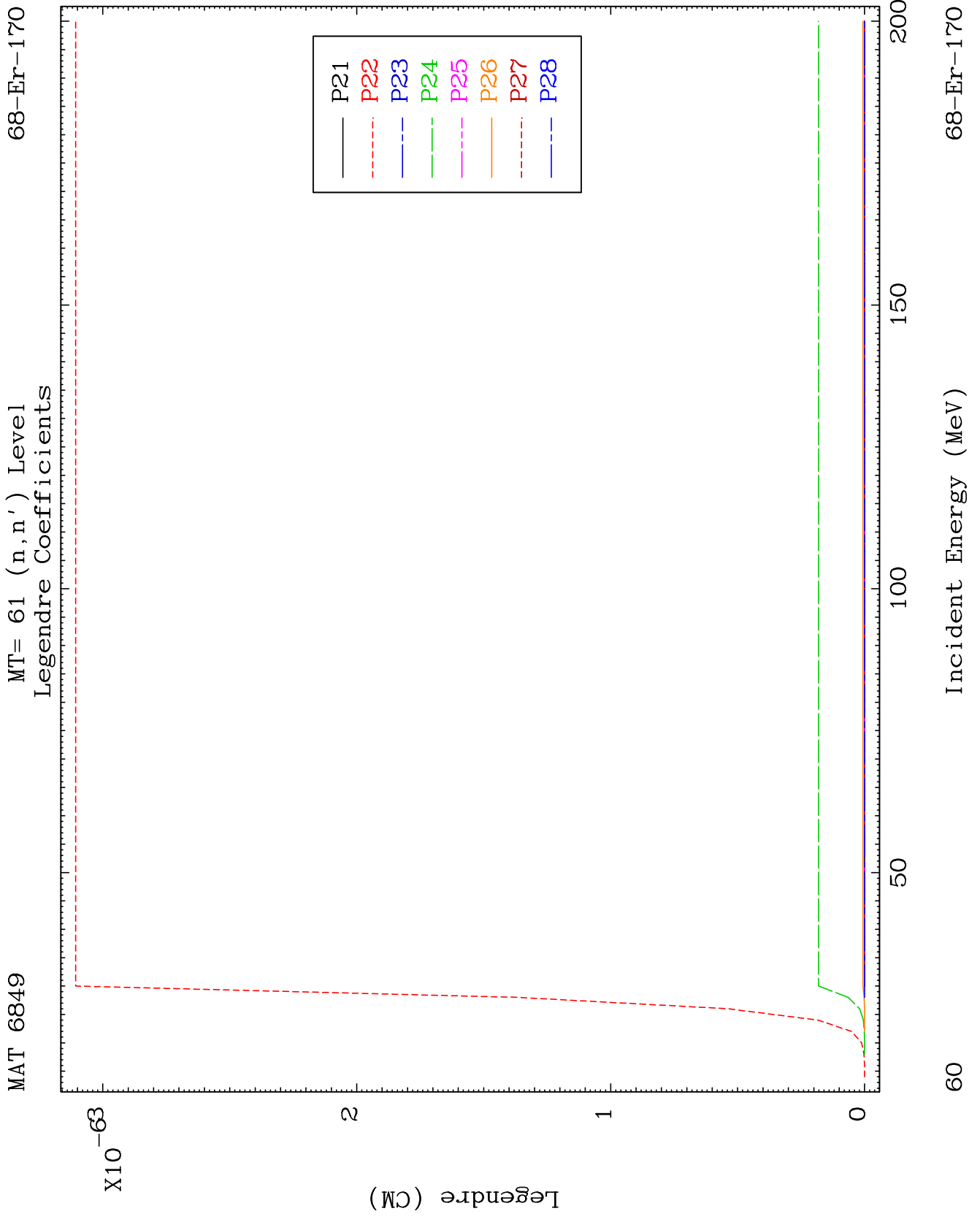
68-Er-170



59

Incident Energy (MeV)

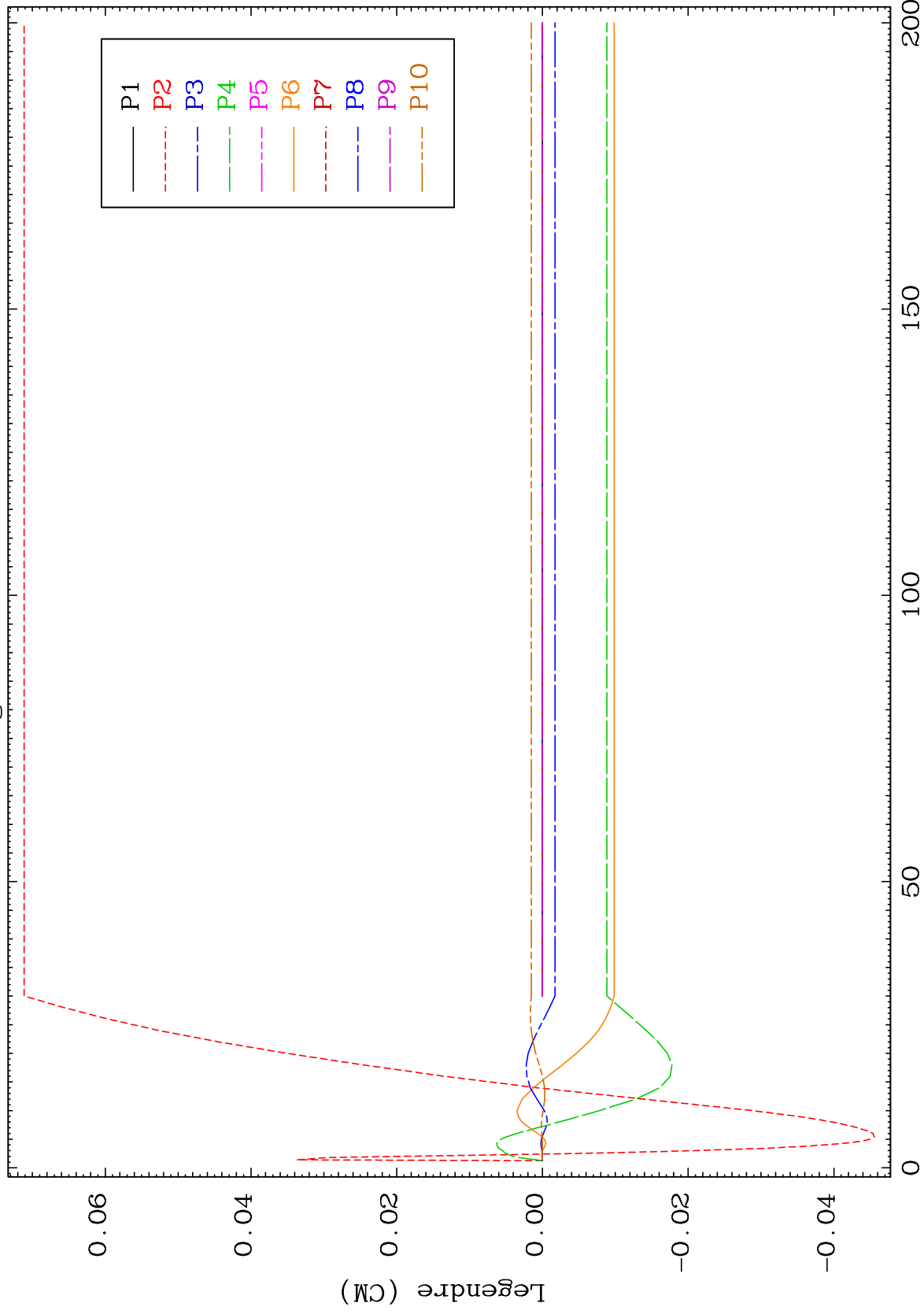
68-Er-170



MAT 6849

MT= 62 (n,n') Level
Legendre Coefficients

68-Er-170



61

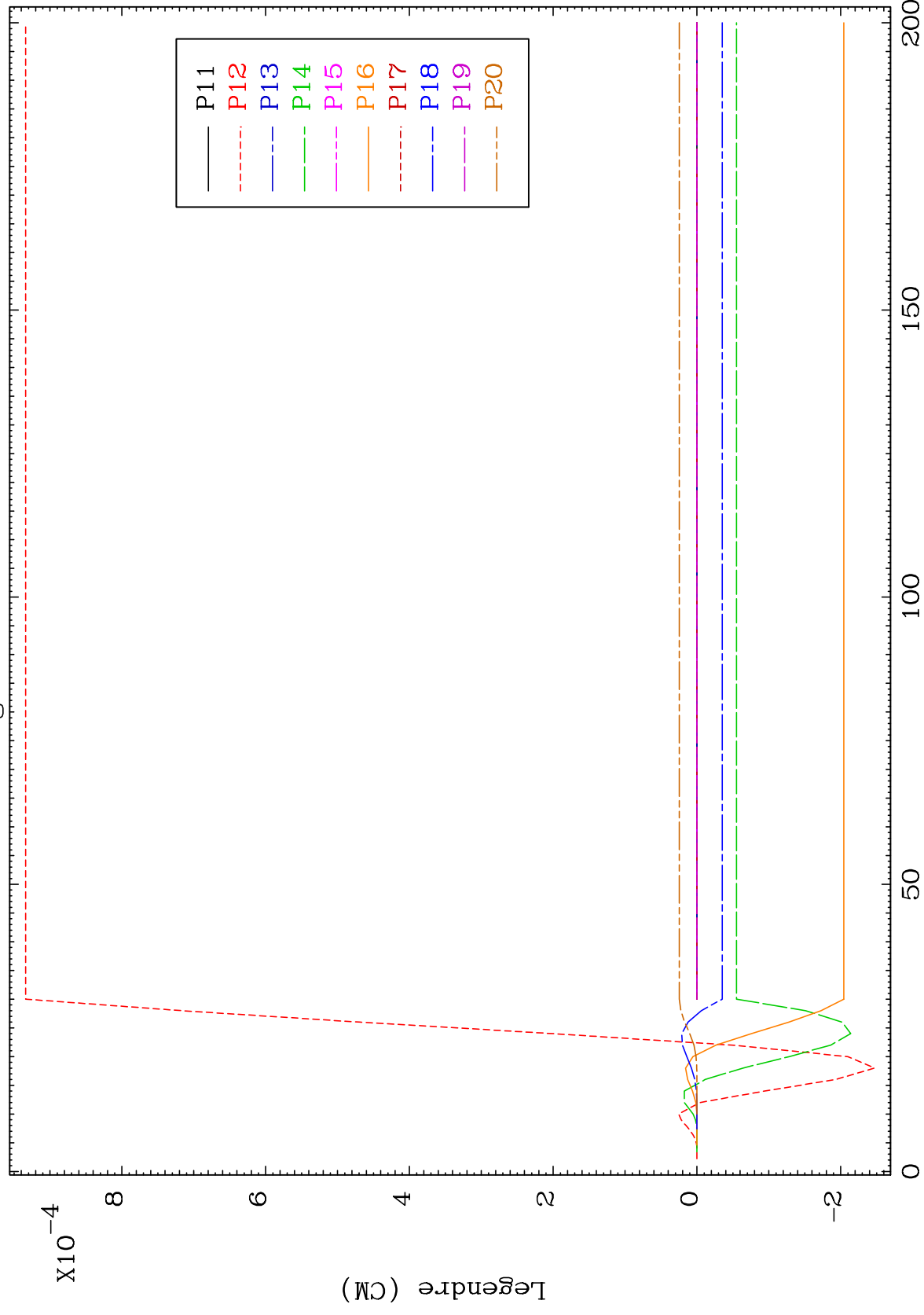
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 62 (n,n') Level
Legendre Coefficients

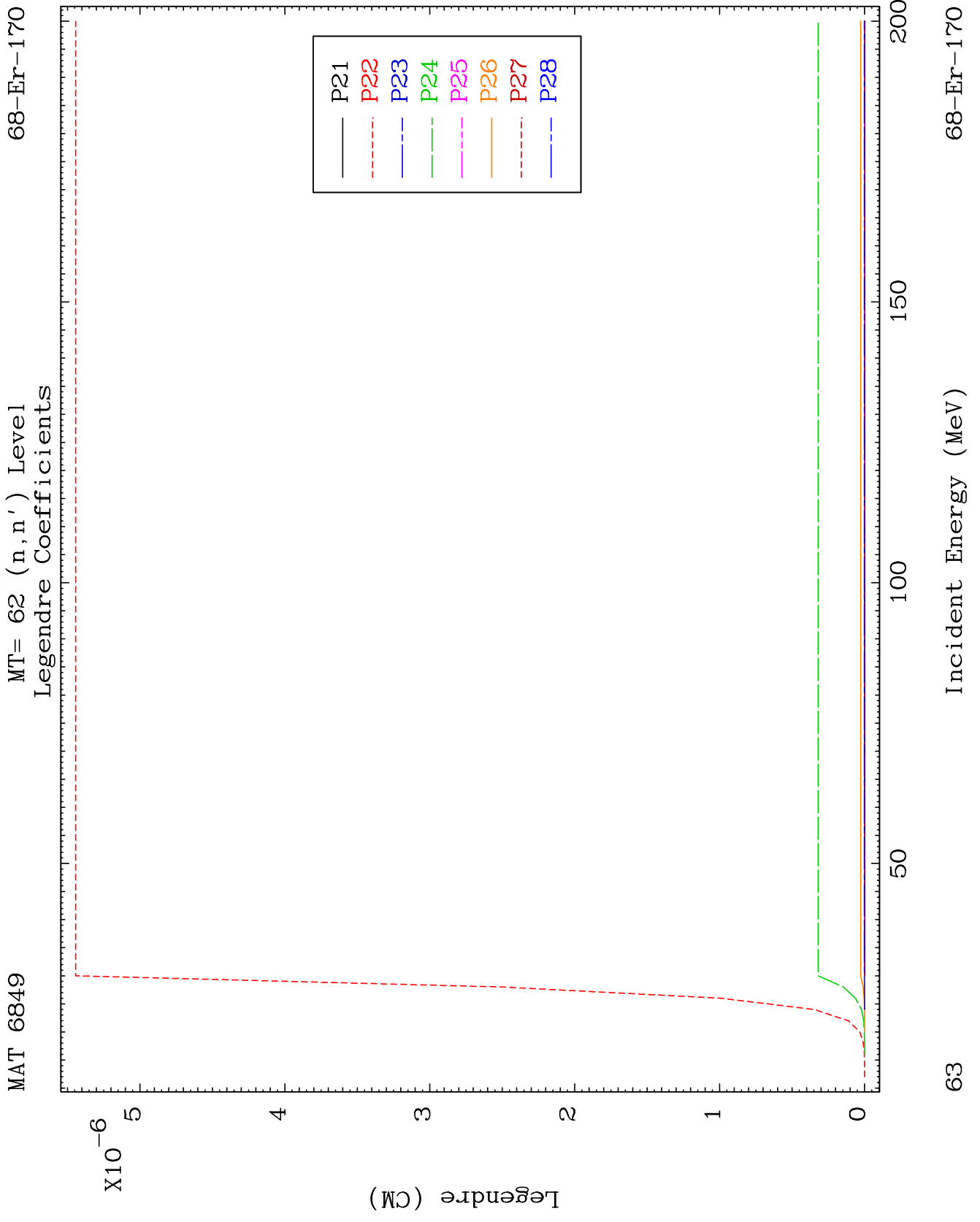
68-Er-170



62

Incident Energy (MeV)

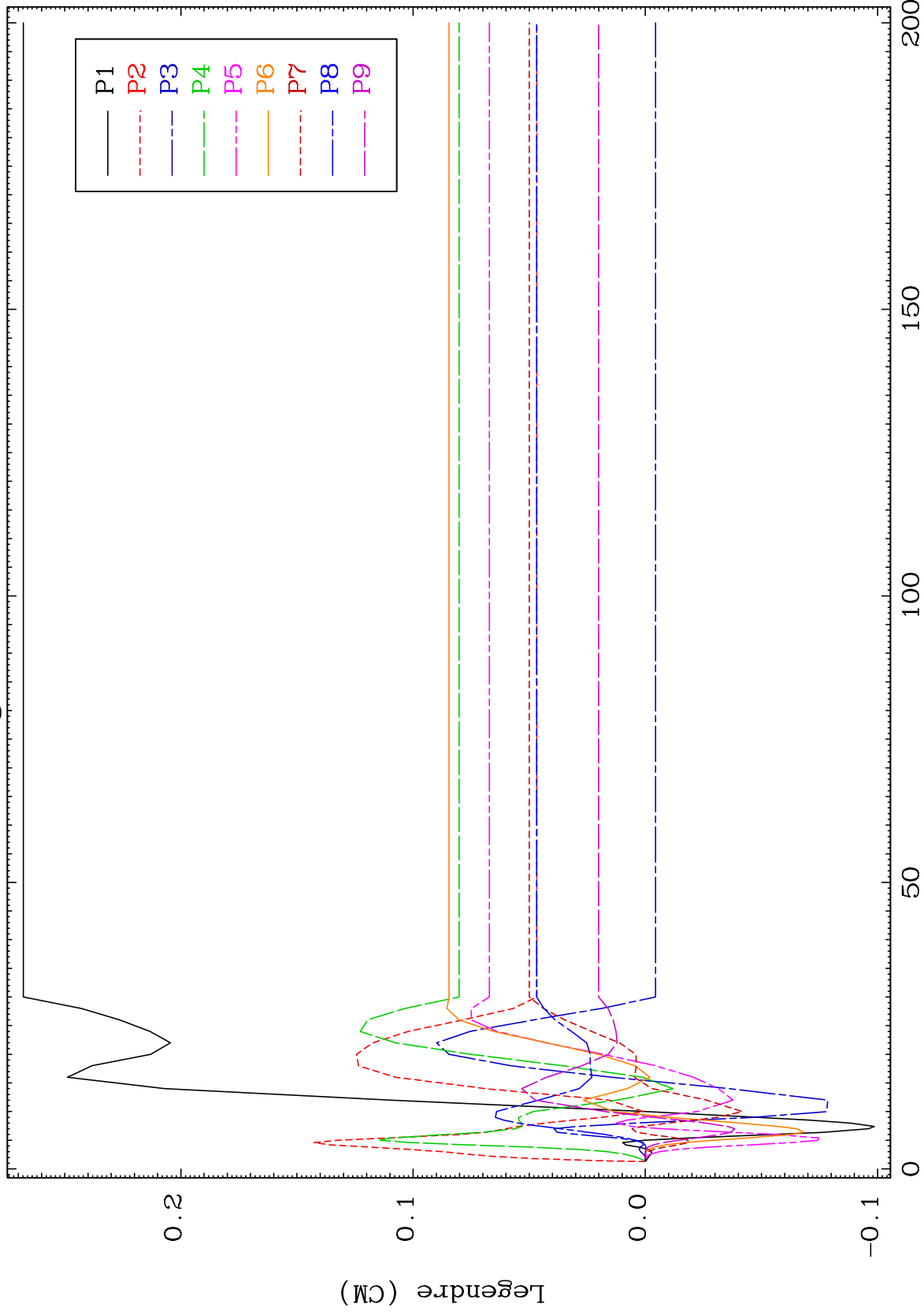
68-Er-170



MAT 6849

MT= 63 (n,n') Level
Legendre Coefficients

68-Er-170



64

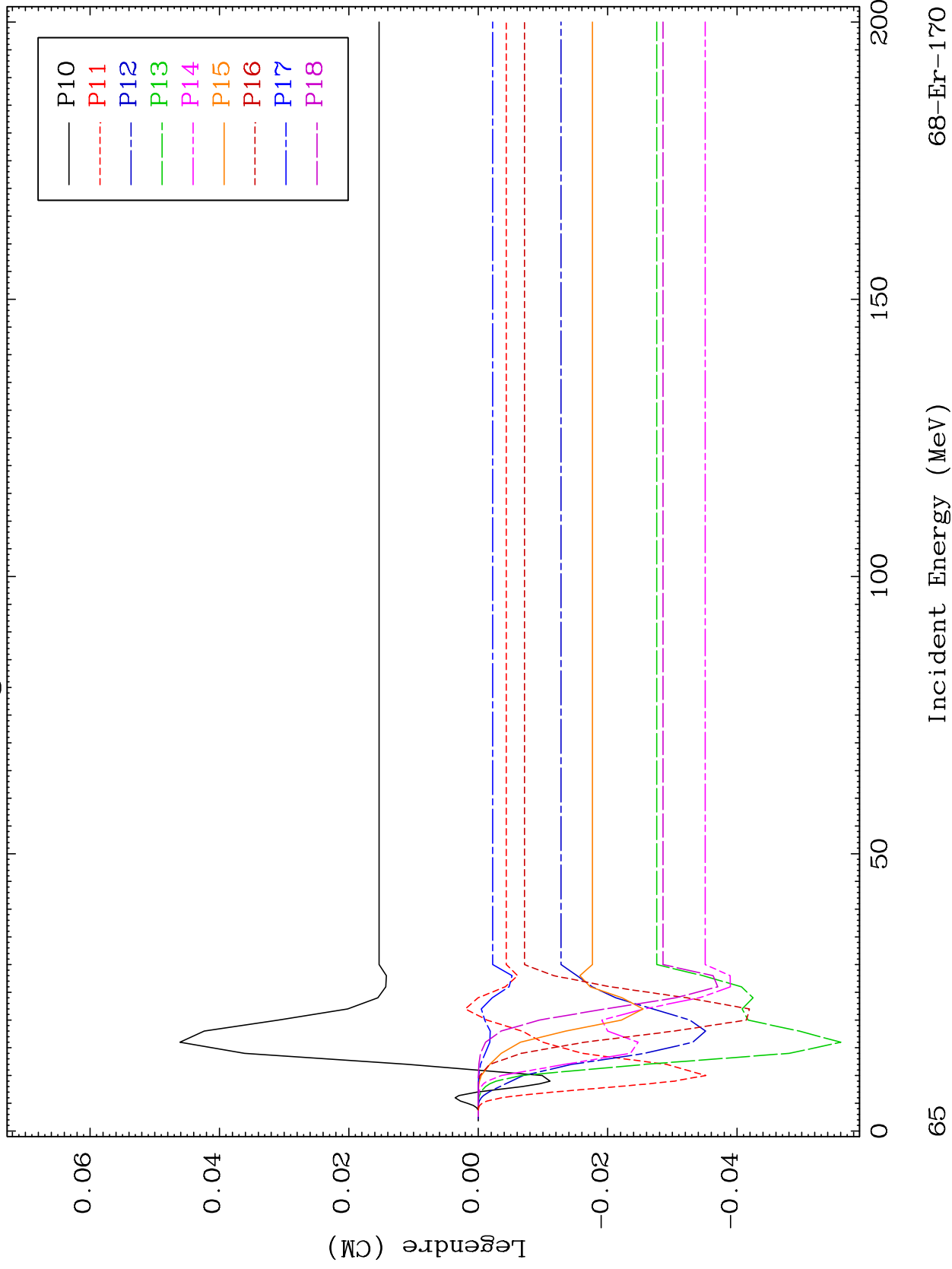
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 63 (n,n') Level
Legendre Coefficients

68-Er-170



68-Er-170

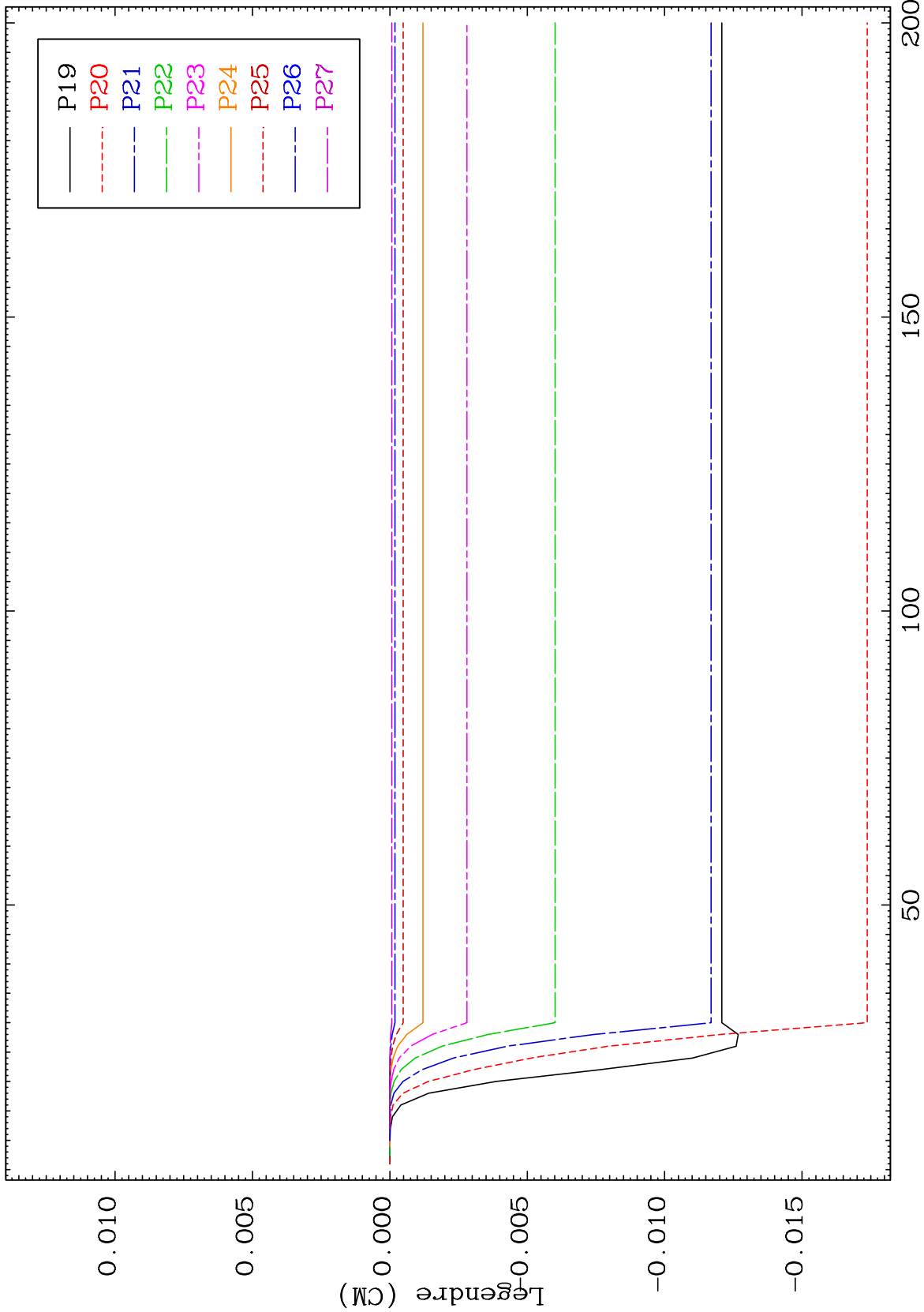
Incident Energy (MeV)

65

MAT 6849

MT= 63 (n,n') Level
Legendre Coefficients

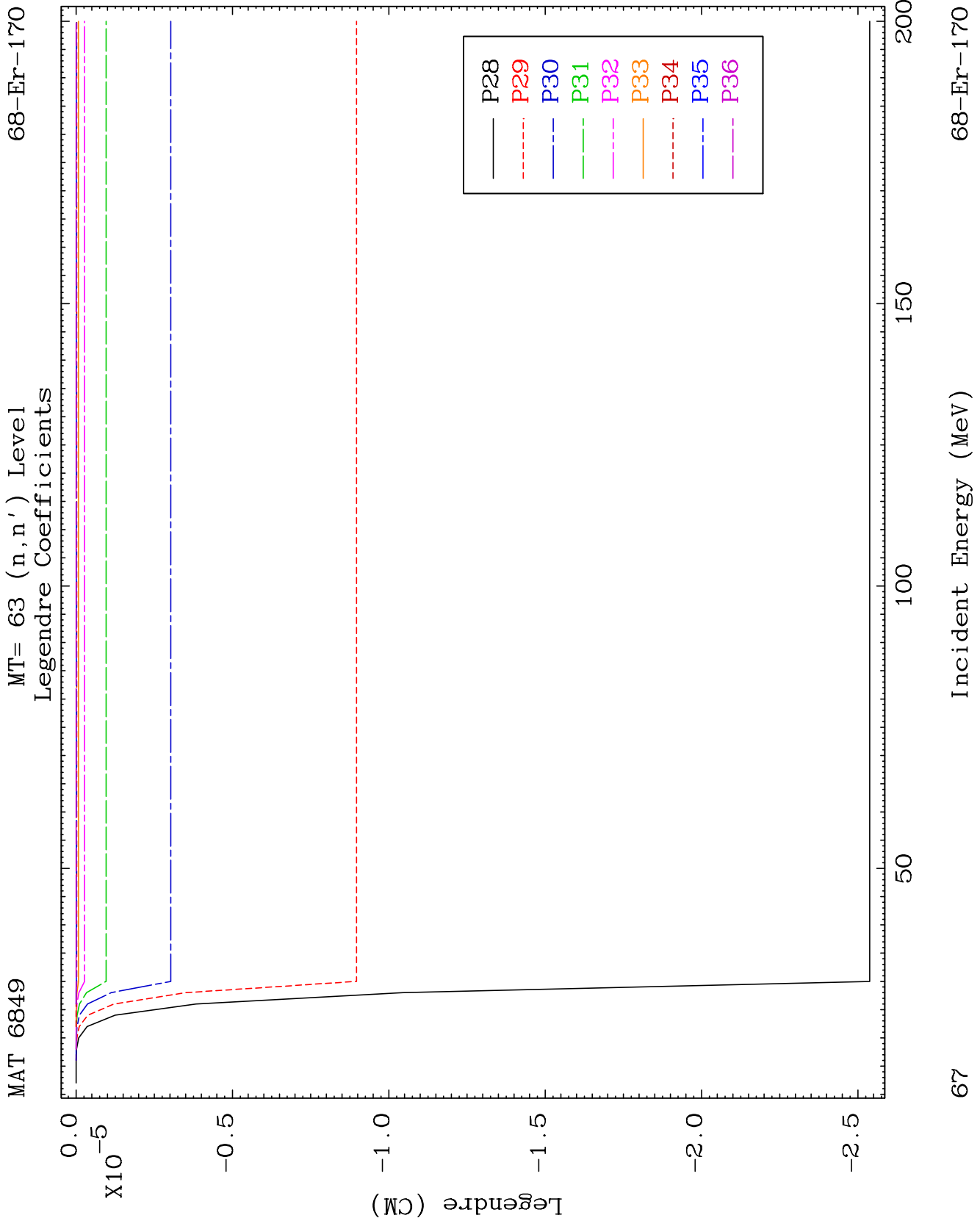
68-Er-170

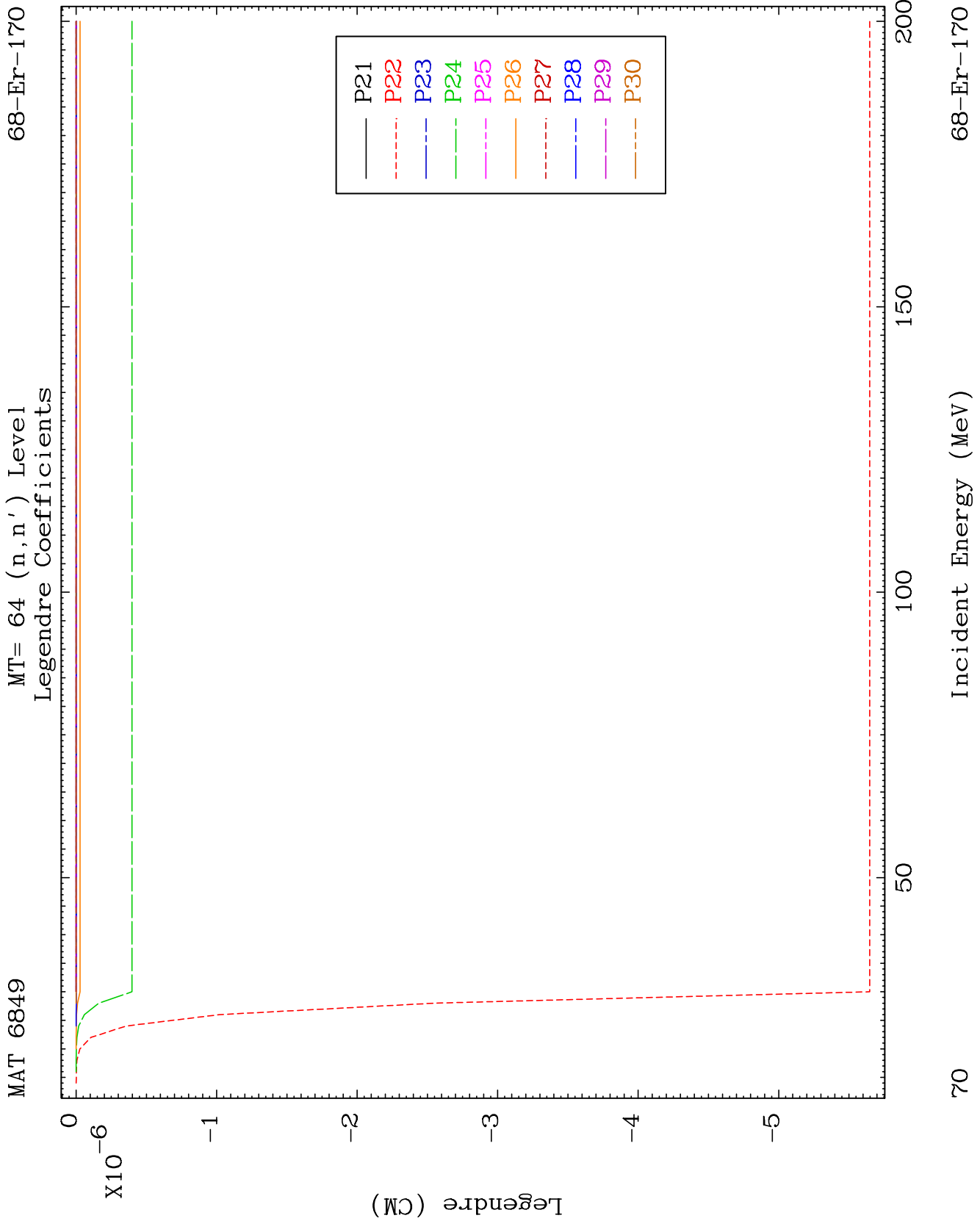


66

Incident Energy (MeV)

68-Er-170

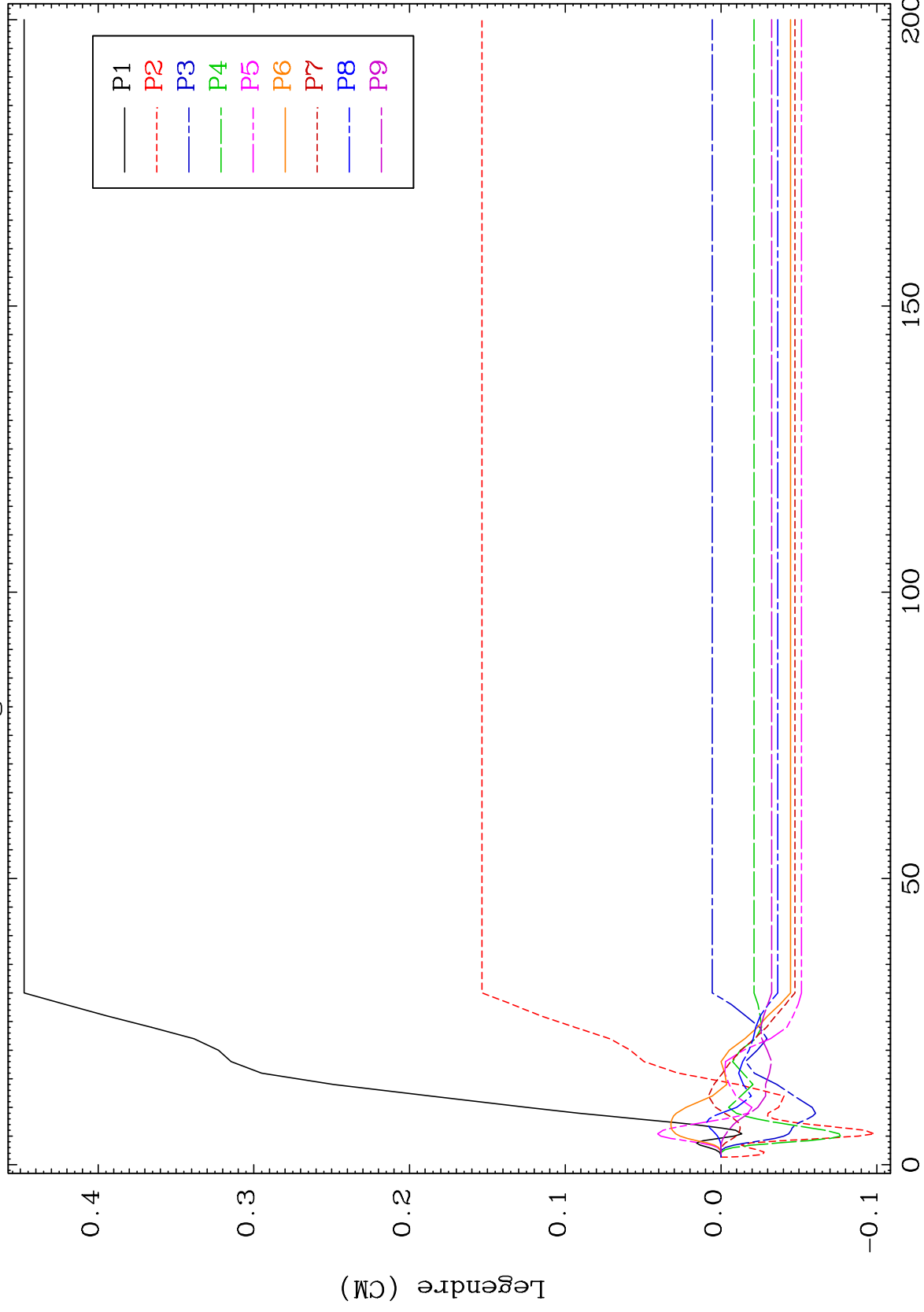




MAT 6849

MT= 65 (n,n') Level
Legendre Coefficients

68-Er-170



71

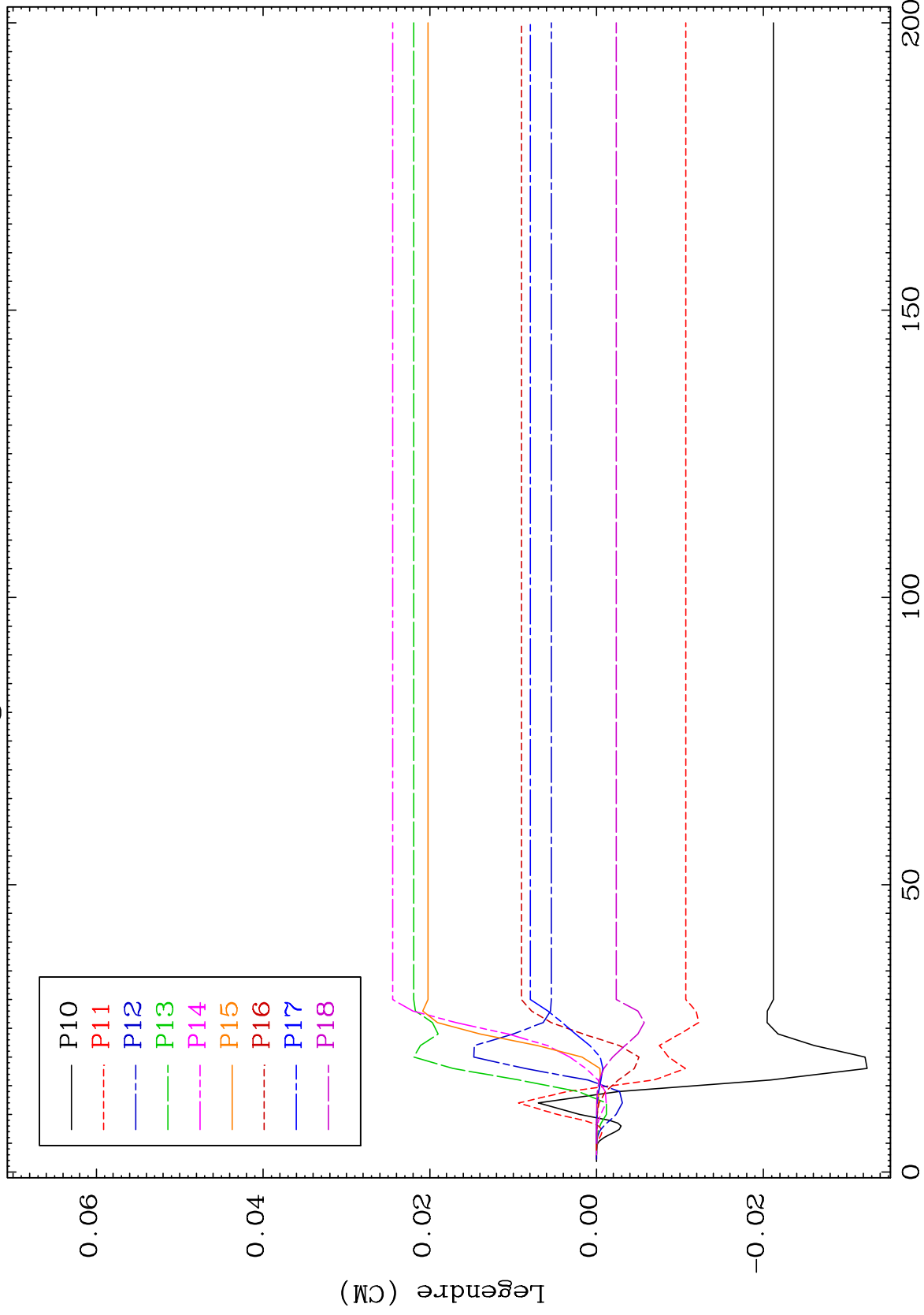
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 65 (n,n') Level
Legendre Coefficients

68-Er-170



72

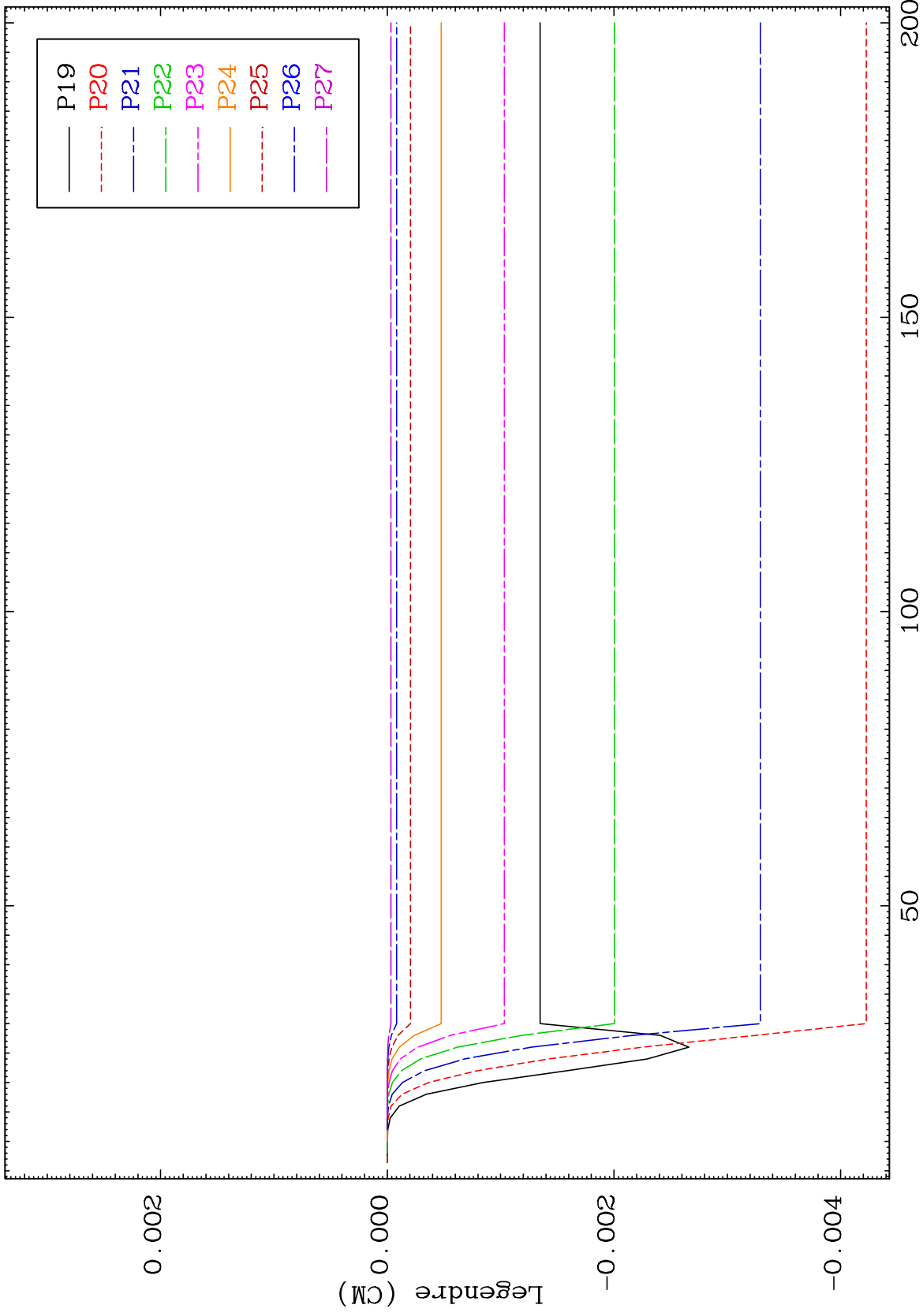
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 65 (n,n') Level
Legendre Coefficients

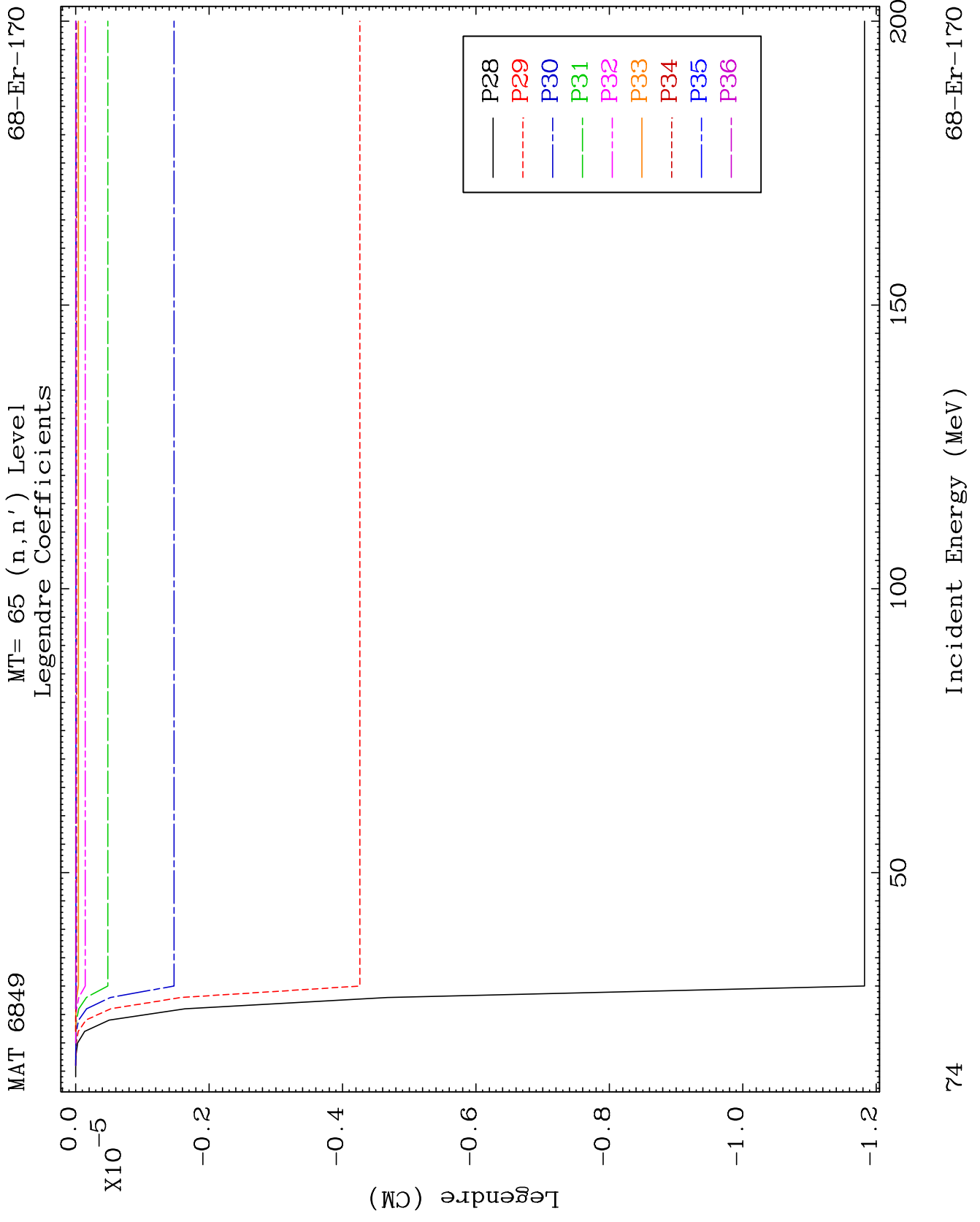
68-Er-170



73

Incident Energy (MeV)

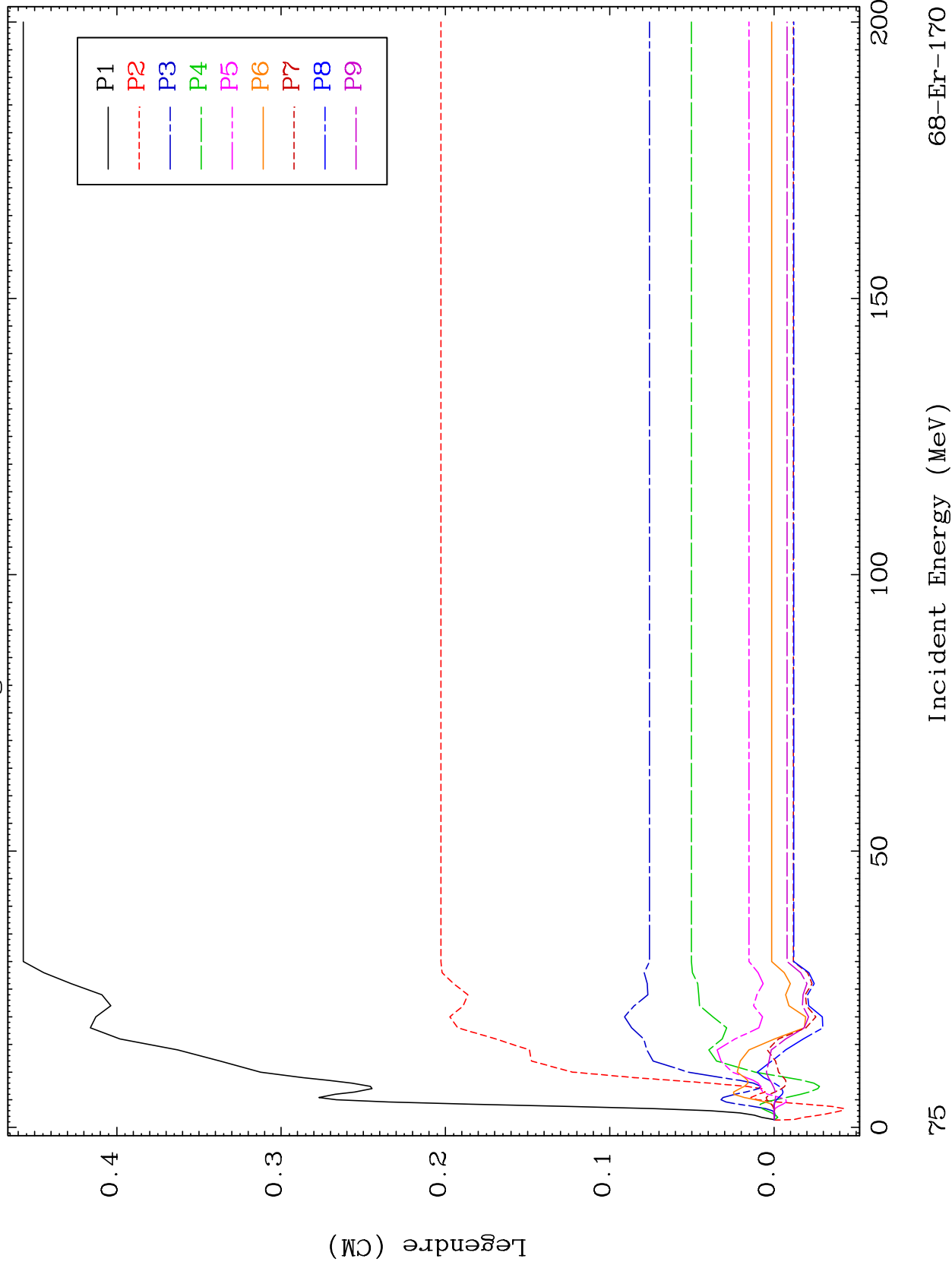
68-Er-170



MAT 6849

MT= 66 (n,n') Level
Legendre Coefficients

68-Er-170



68-Er-170

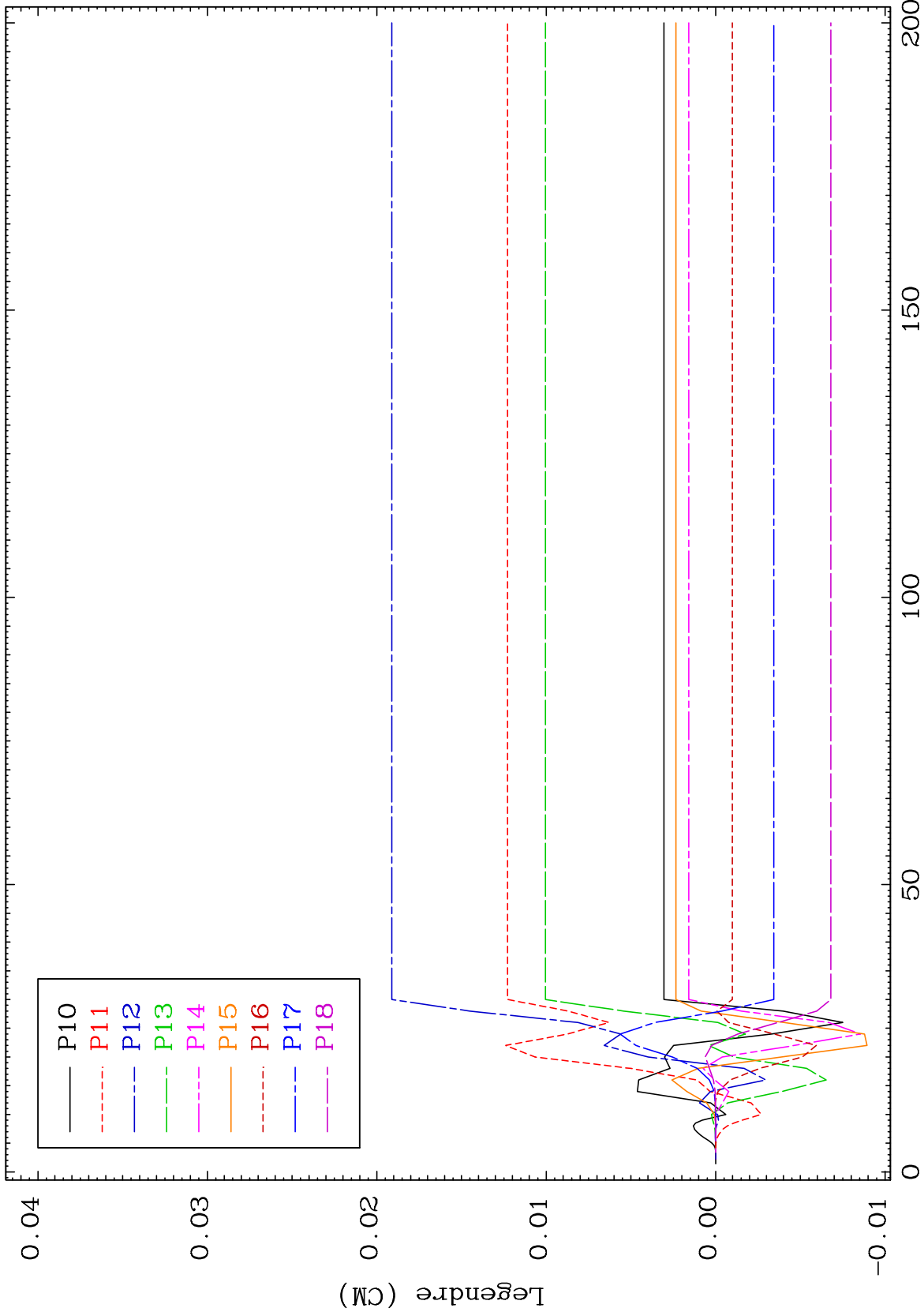
Incident Energy (MeV)

75

MAT 6849

MT= 66 (n,n') Level
Legendre Coefficients

68-Er-170



76

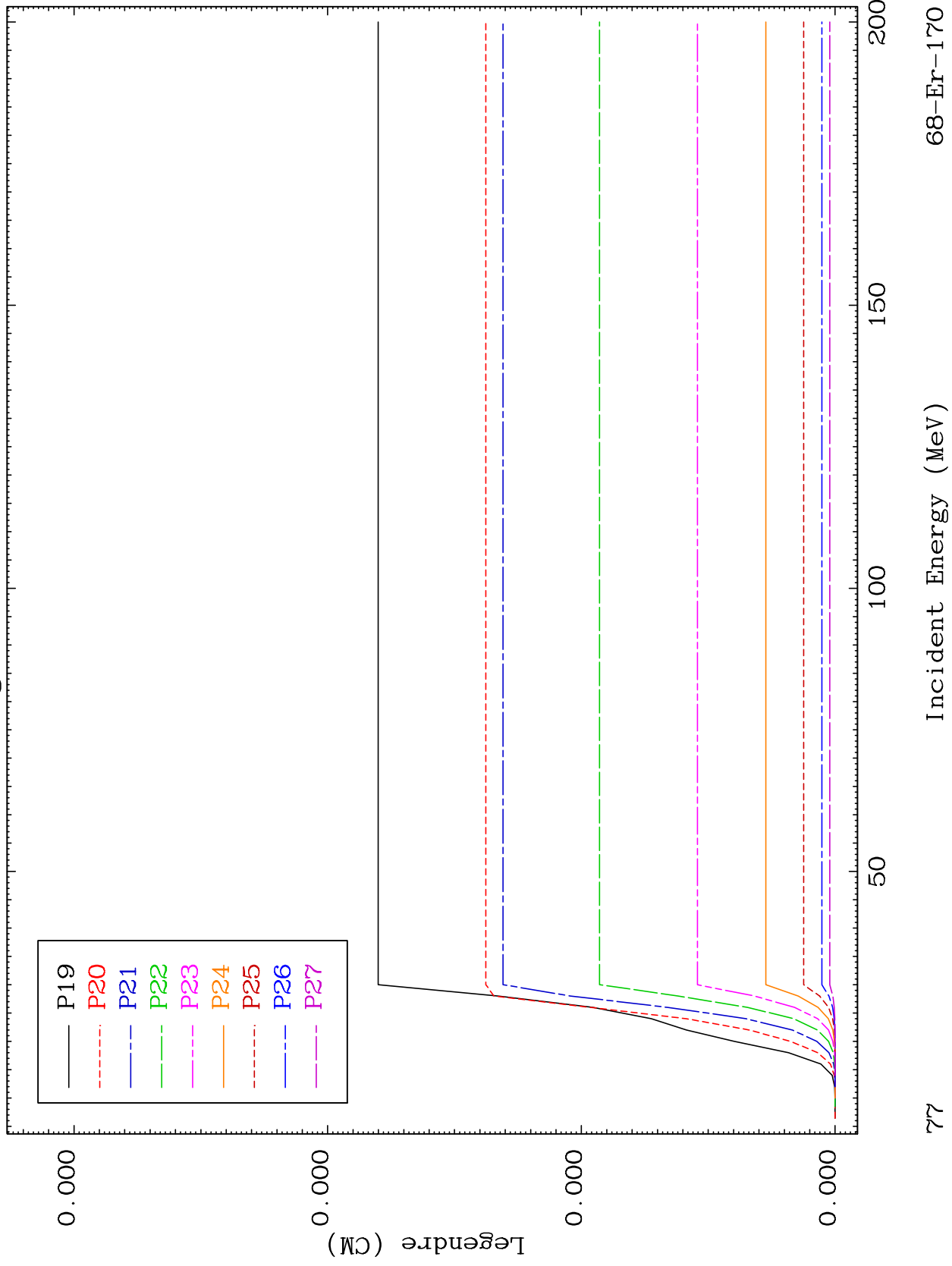
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 66 (n,n') Level
Legendre Coefficients

68-Er-170



77

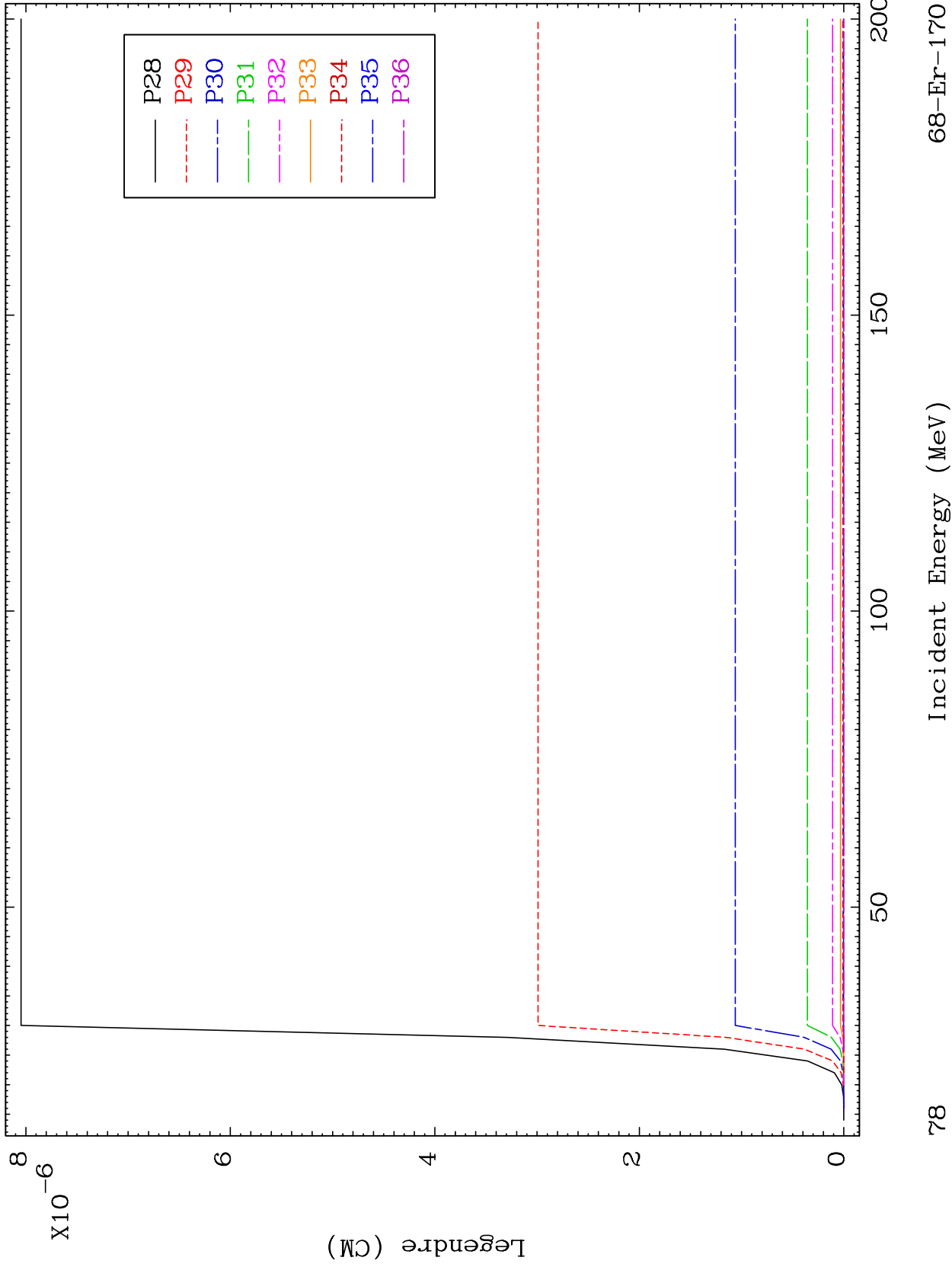
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 66 (n,n') Level
Legendre Coefficients

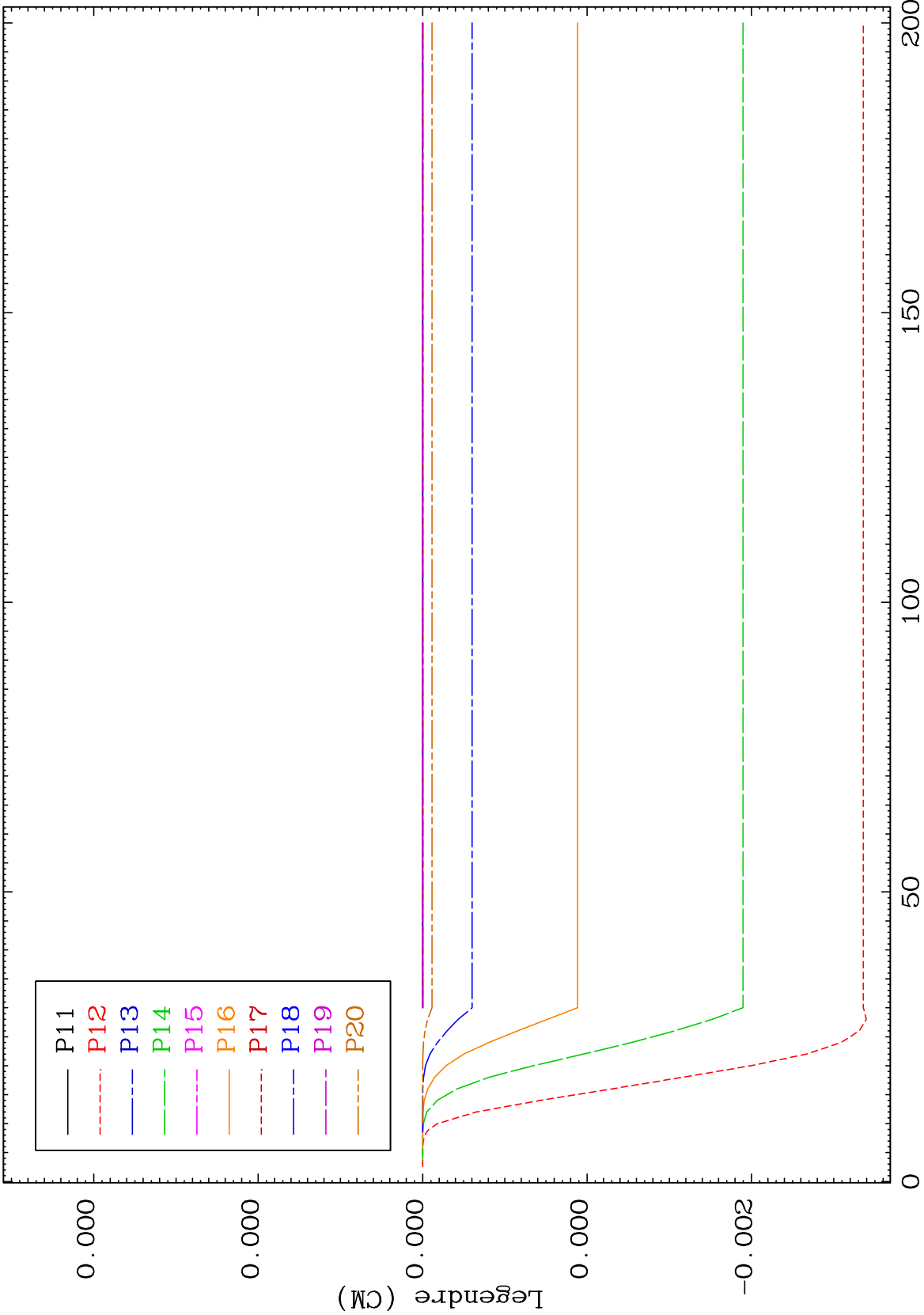
68-Er-170



MAT 6849

MT= 67 (n,n') Level
Legendre Coefficients

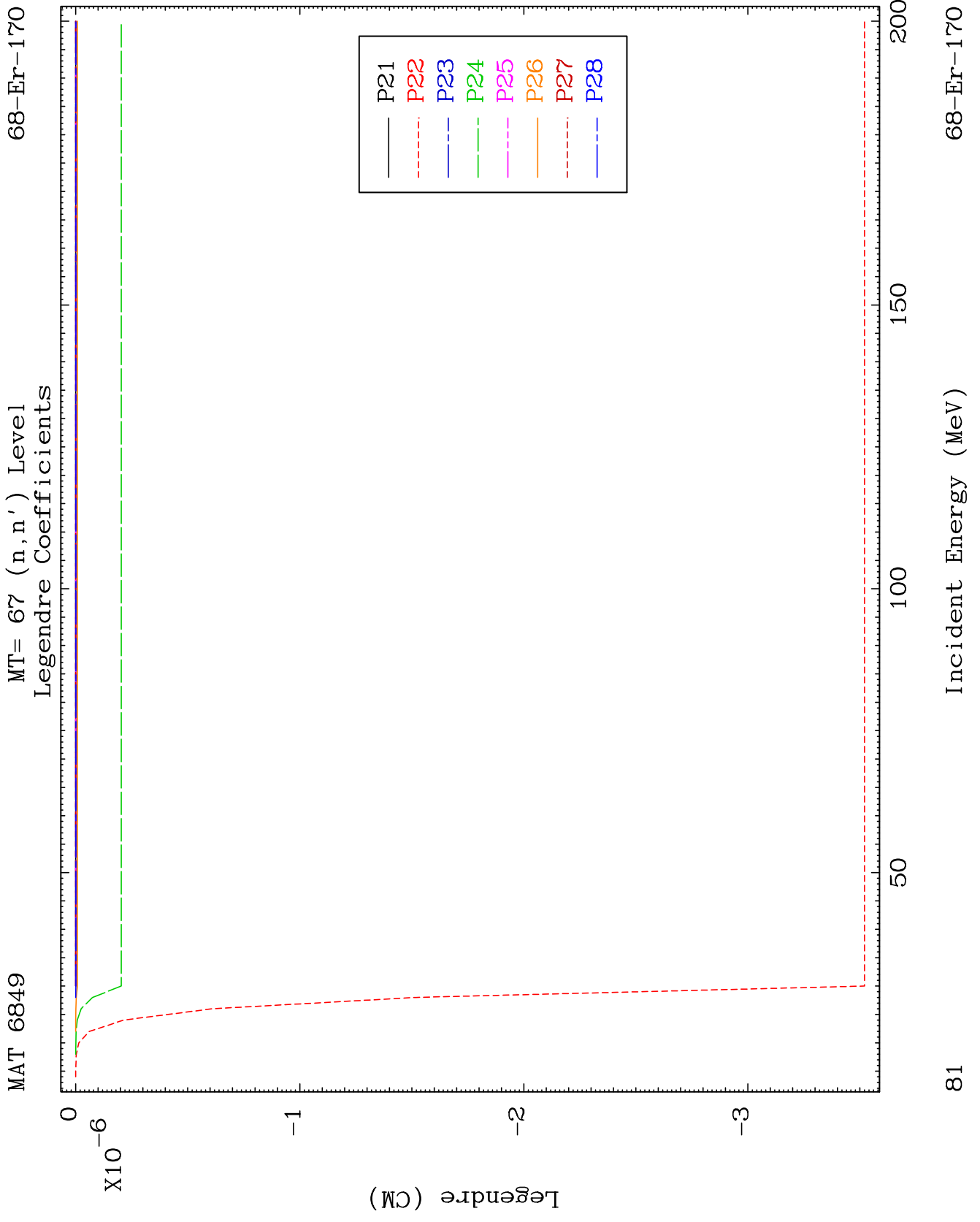
68-Er-170

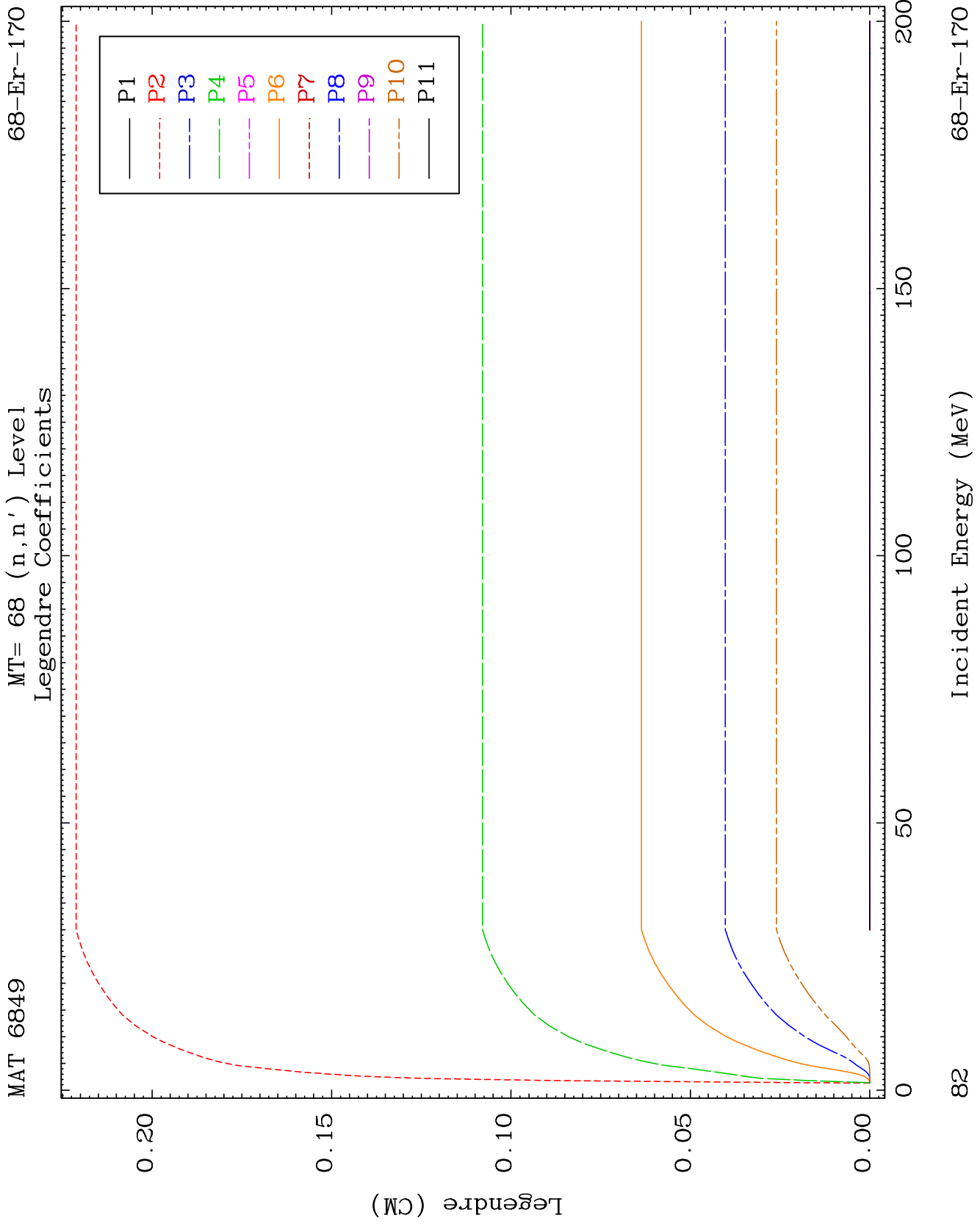


68-Er-170

Incident Energy (MeV)

80

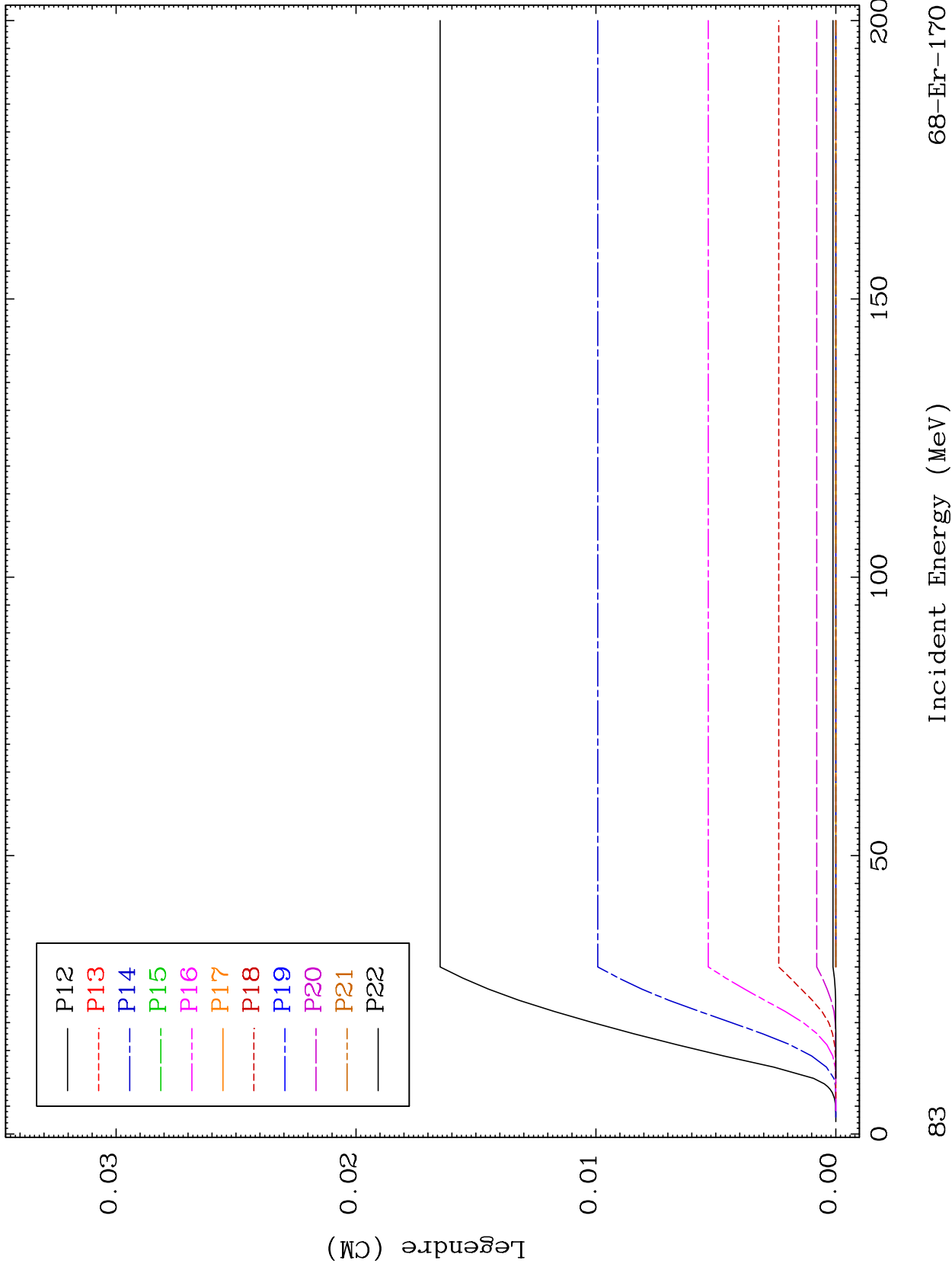




MAT 6849

MT= 68 (n,n') Level
Legendre Coefficients

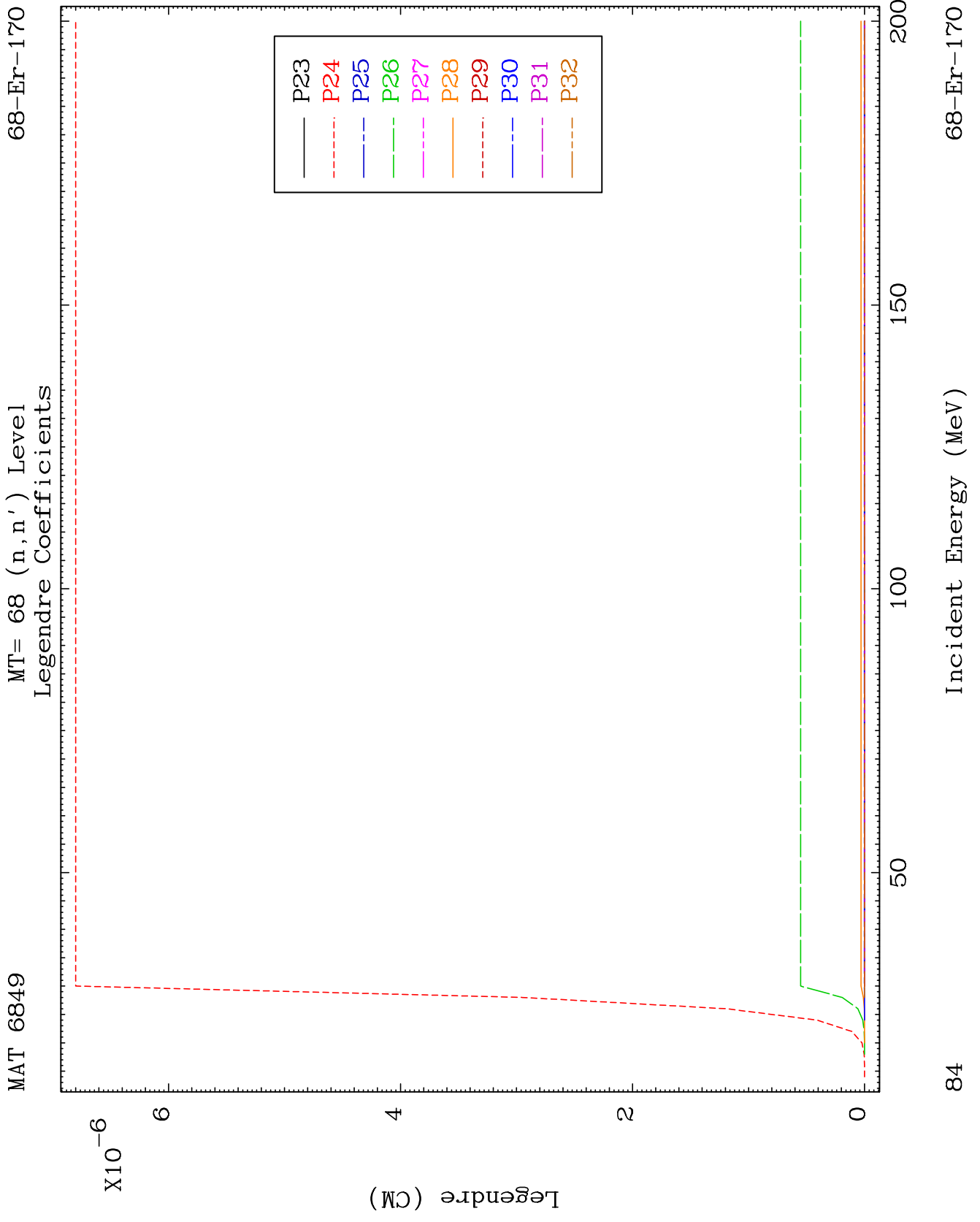
68-Er-170



83

Incident Energy (MeV)

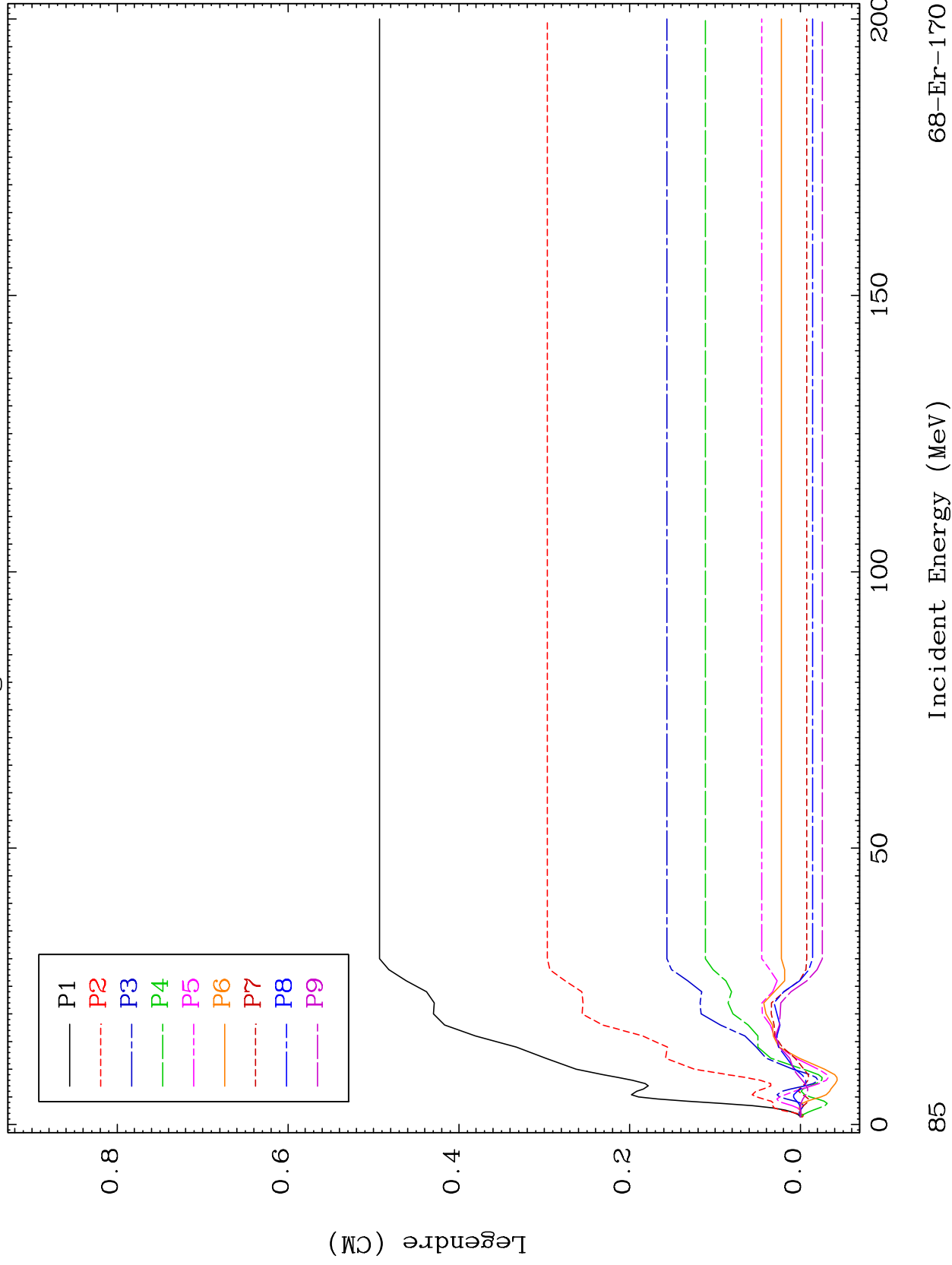
68-Er-170



MAT 6849

MT= 69 (n,n') Level
Legendre Coefficients

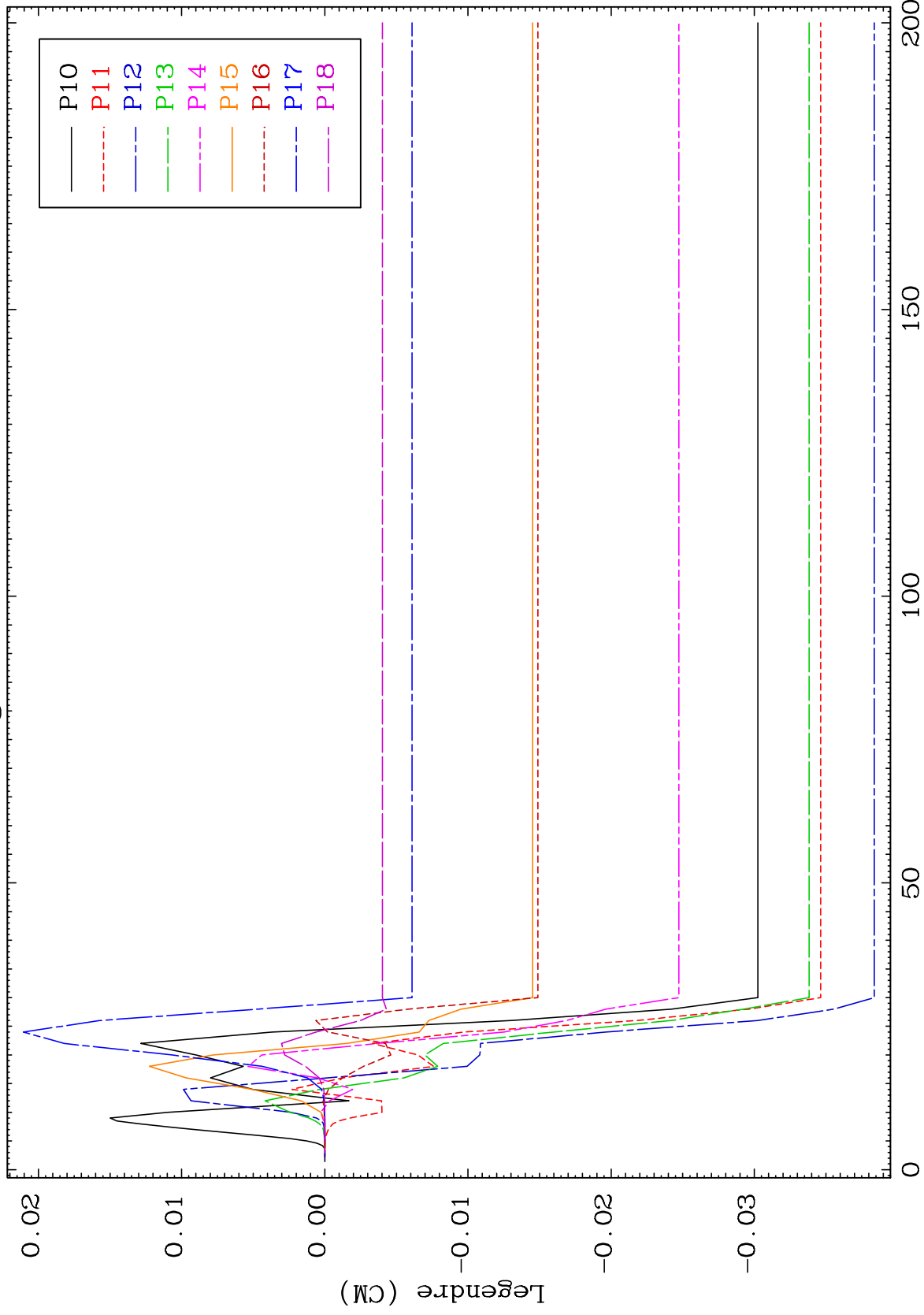
68-Er-170



MAT 6849

MT= 69 (n,n') Level
Legendre Coefficients

68-Er-170



86

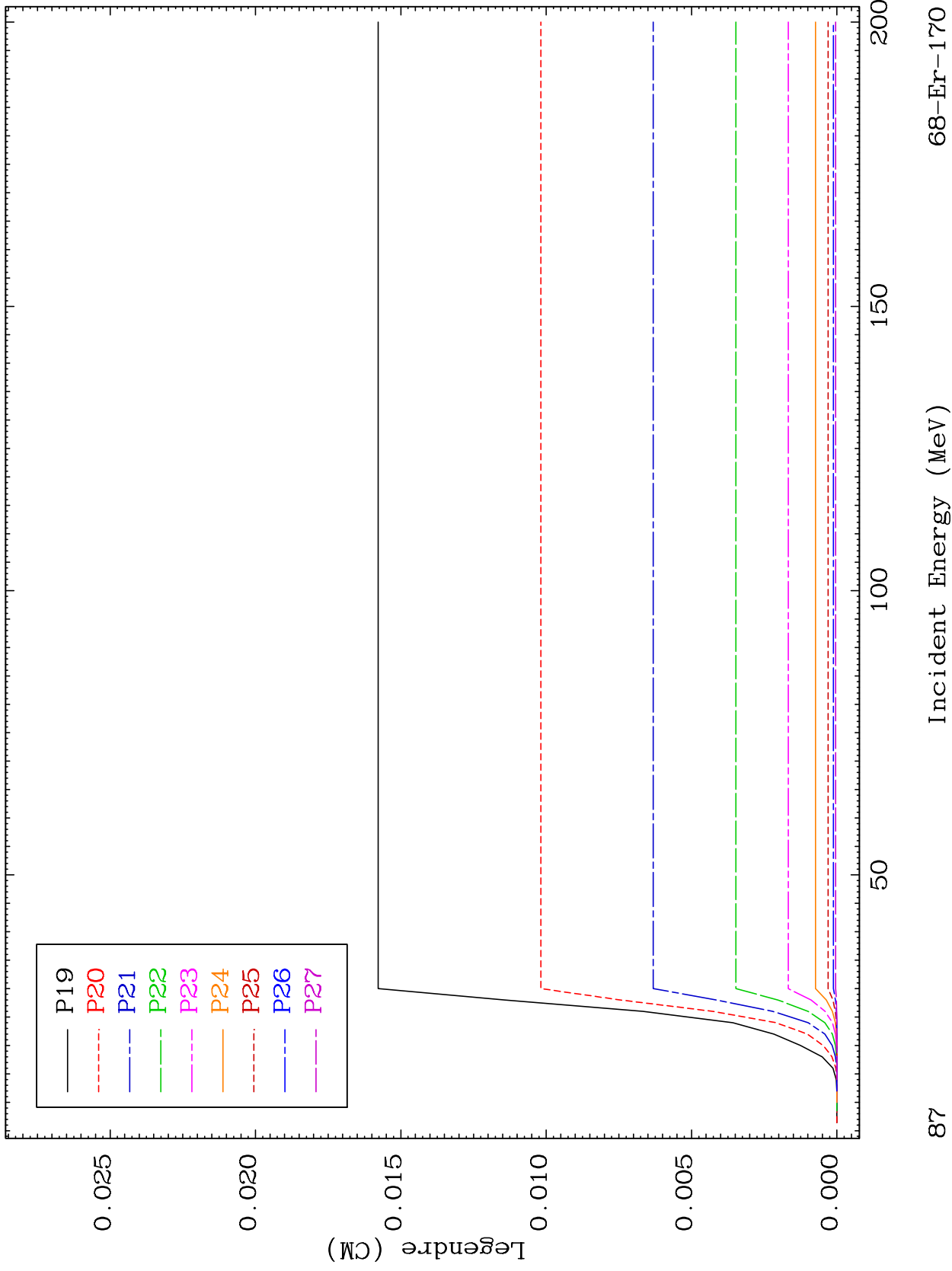
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 69 (n,n') Level
Legendre Coefficients

68-Er-170



87

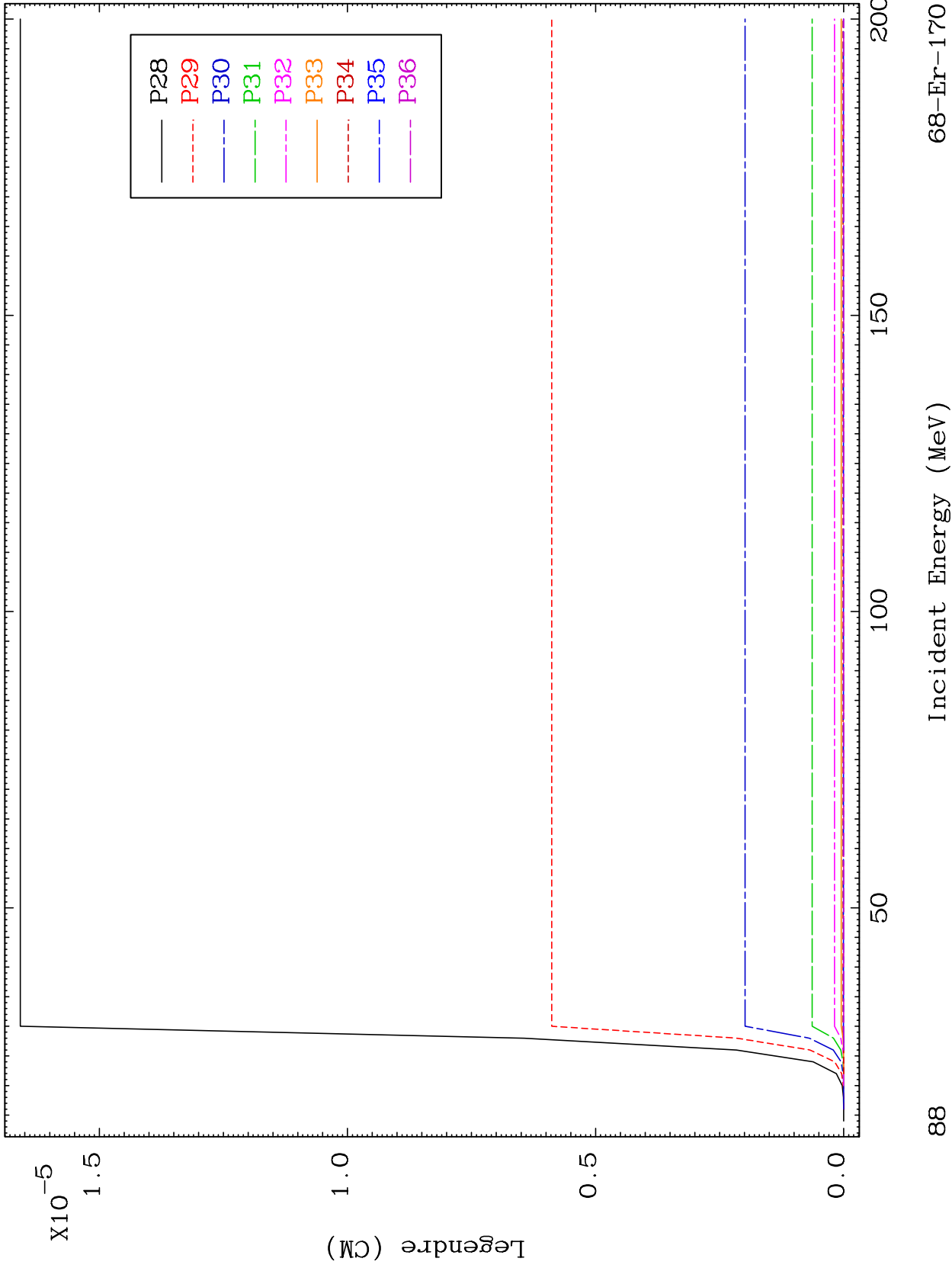
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 69 (n,n') Level
Legendre Coefficients

68-Er-170

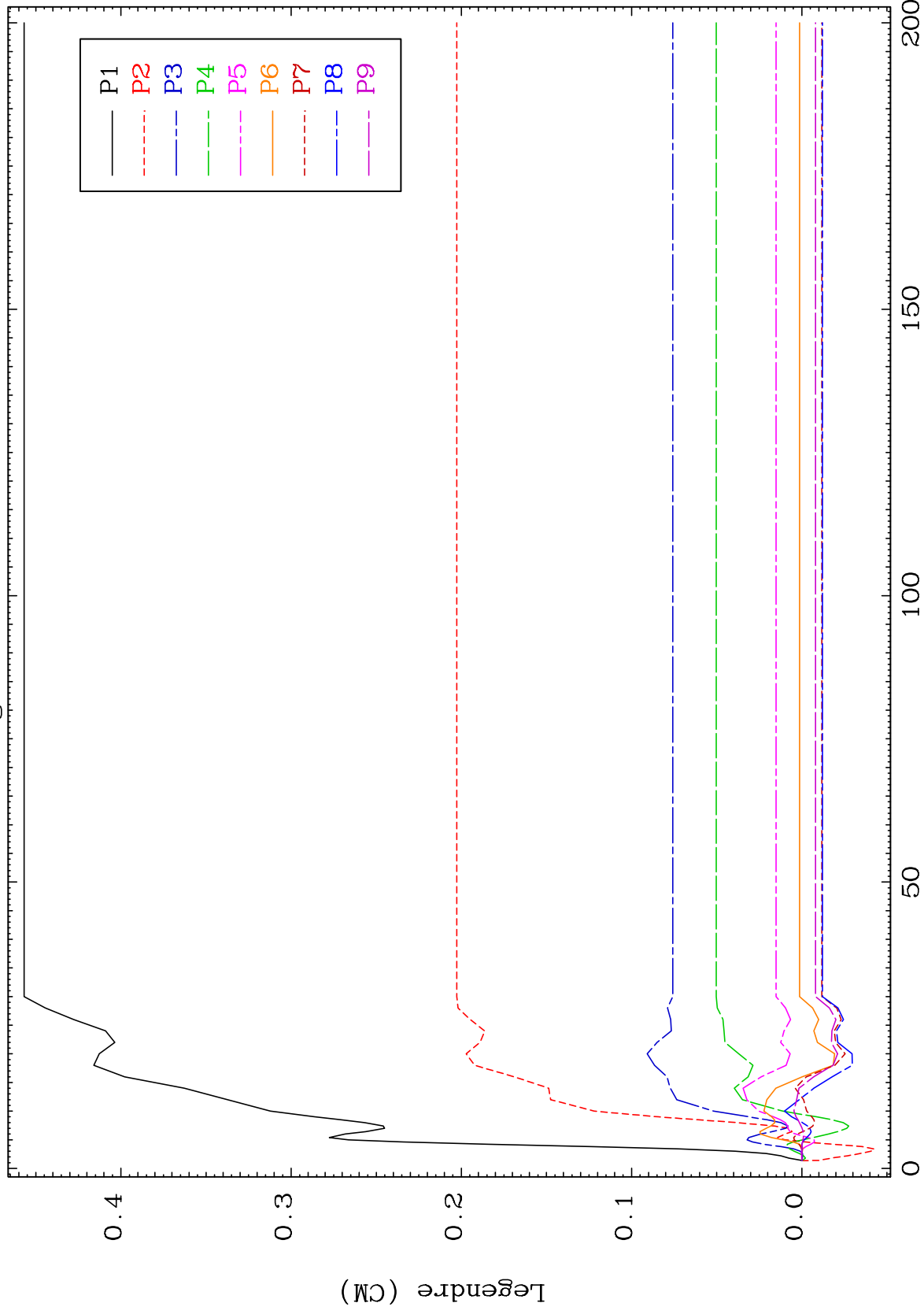


88

MAT 6849

MT= 70 (n,n') Level
Legendre Coefficients

68-Er-170



89

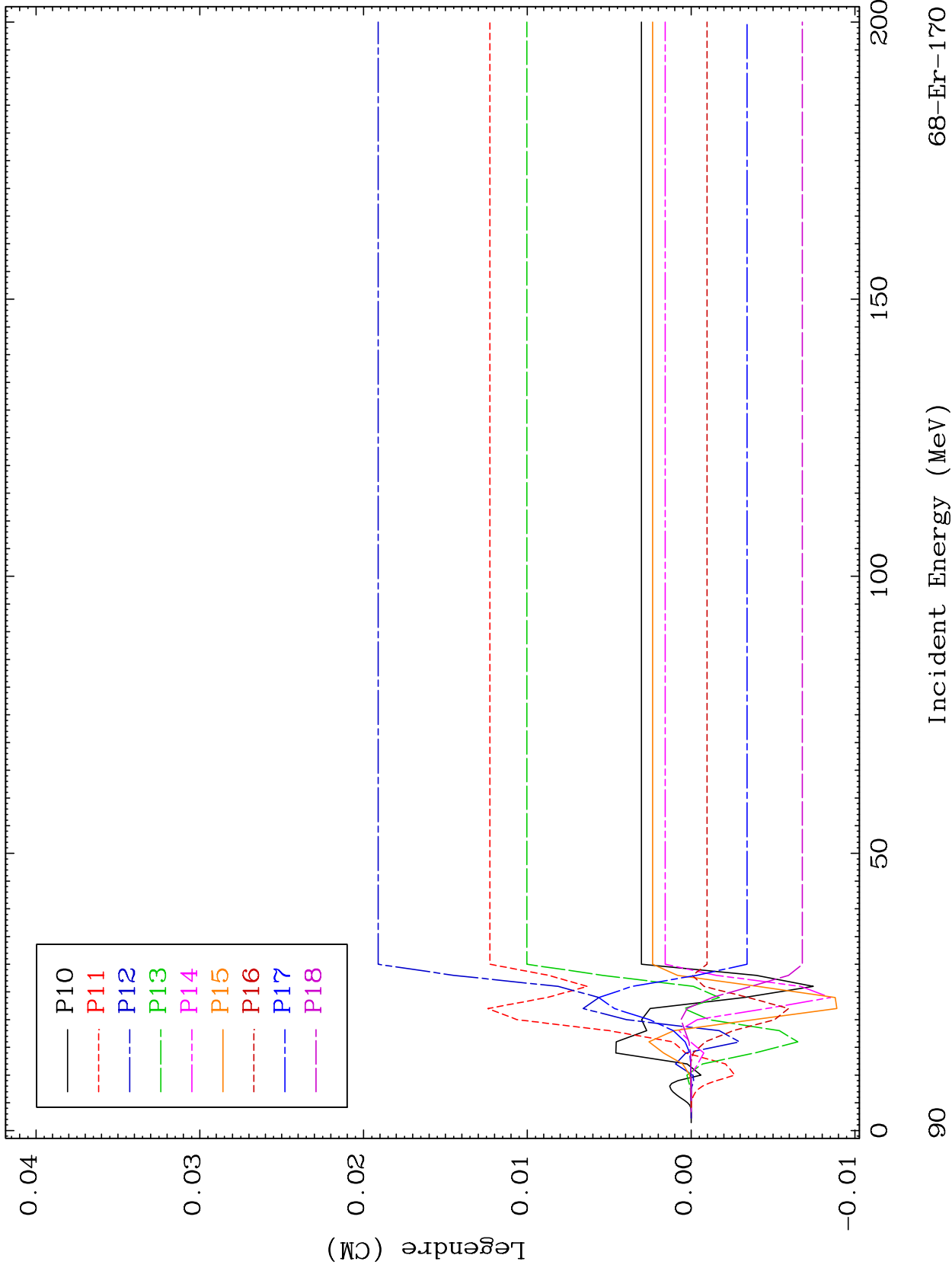
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 70 (n,n') Level
Legendre Coefficients

68-Er-170

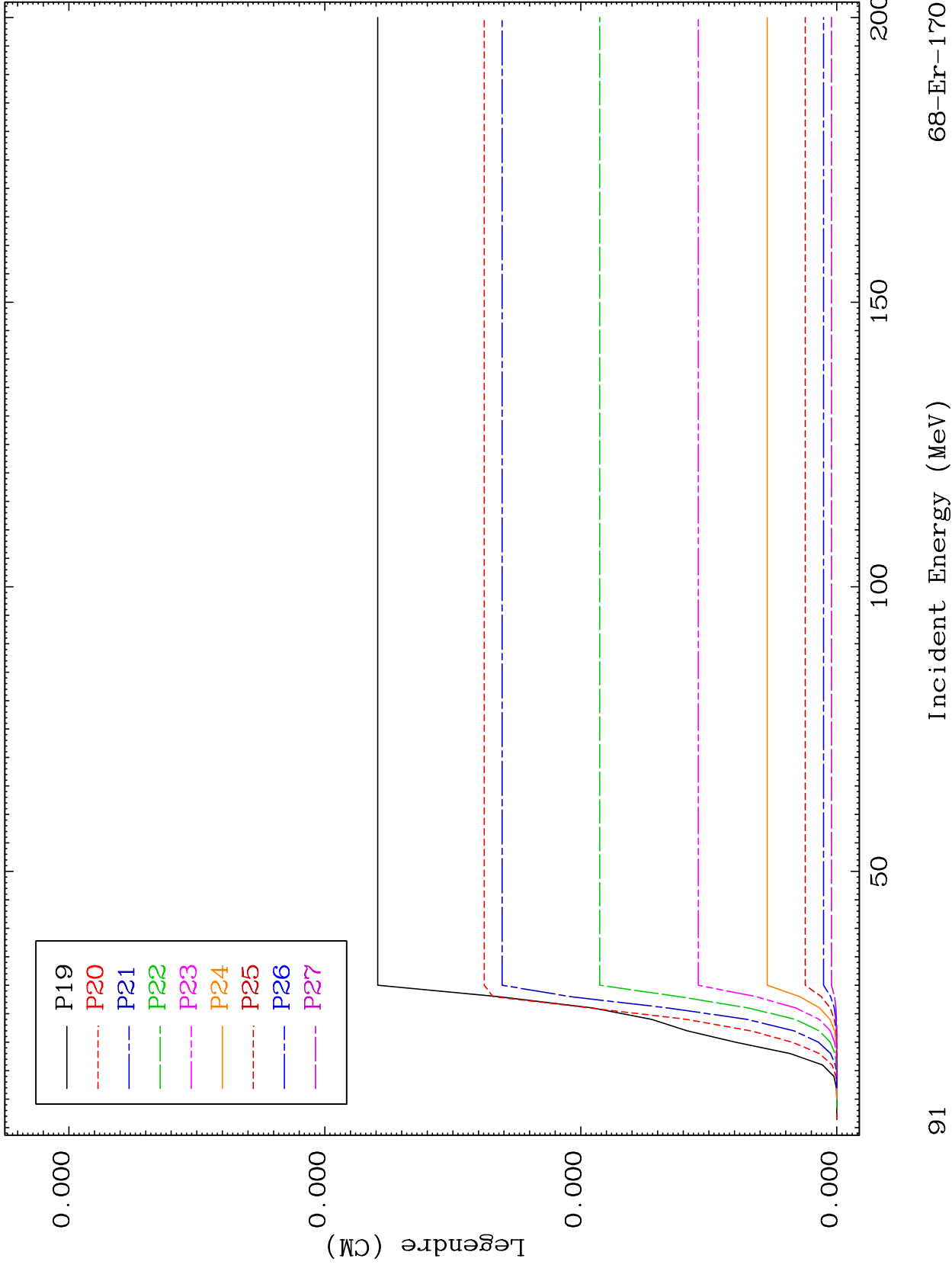


68-Er-170

MAT 6849

MT= 70 (n,n') Level
Legendre Coefficients

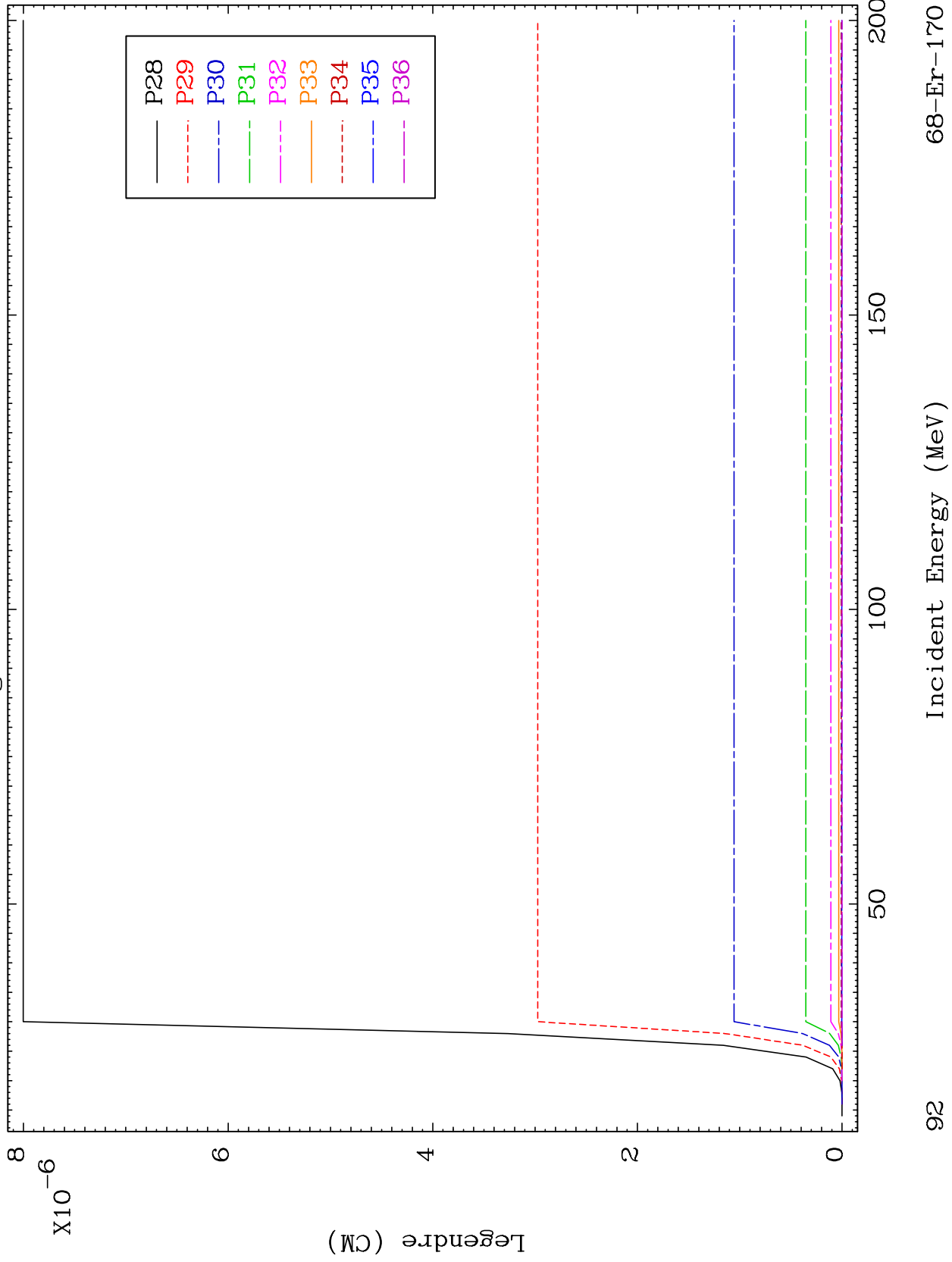
68-Er-170



MAT 6849

MT= 70 (n,n') Level
Legendre Coefficients

68-Er-170

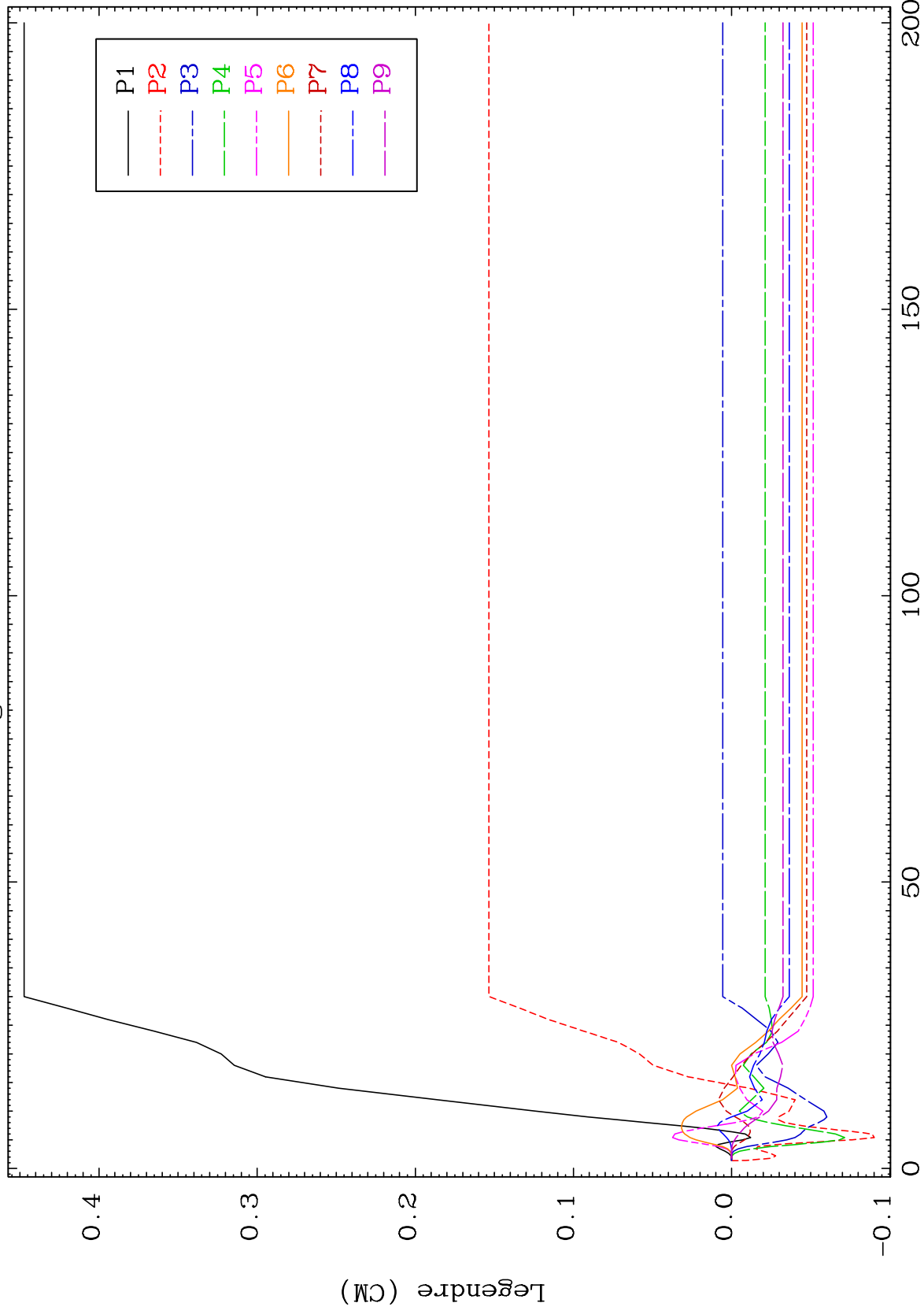


92

MAT 6849

MT= 71 (n,n') Level
Legendre Coefficients

68-Er-170



93

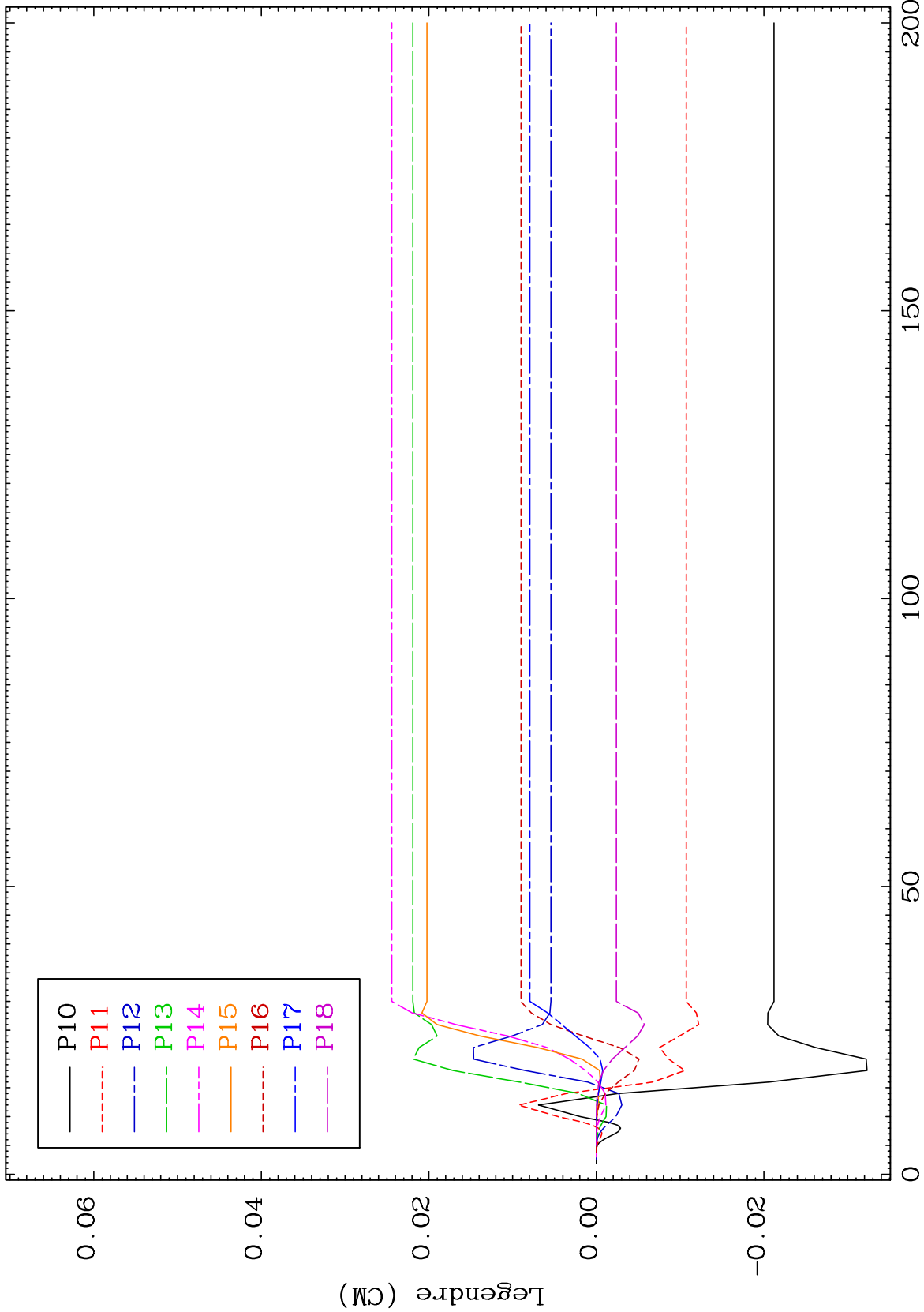
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 71 (n,n') Level
Legendre Coefficients

68-Er-170



94

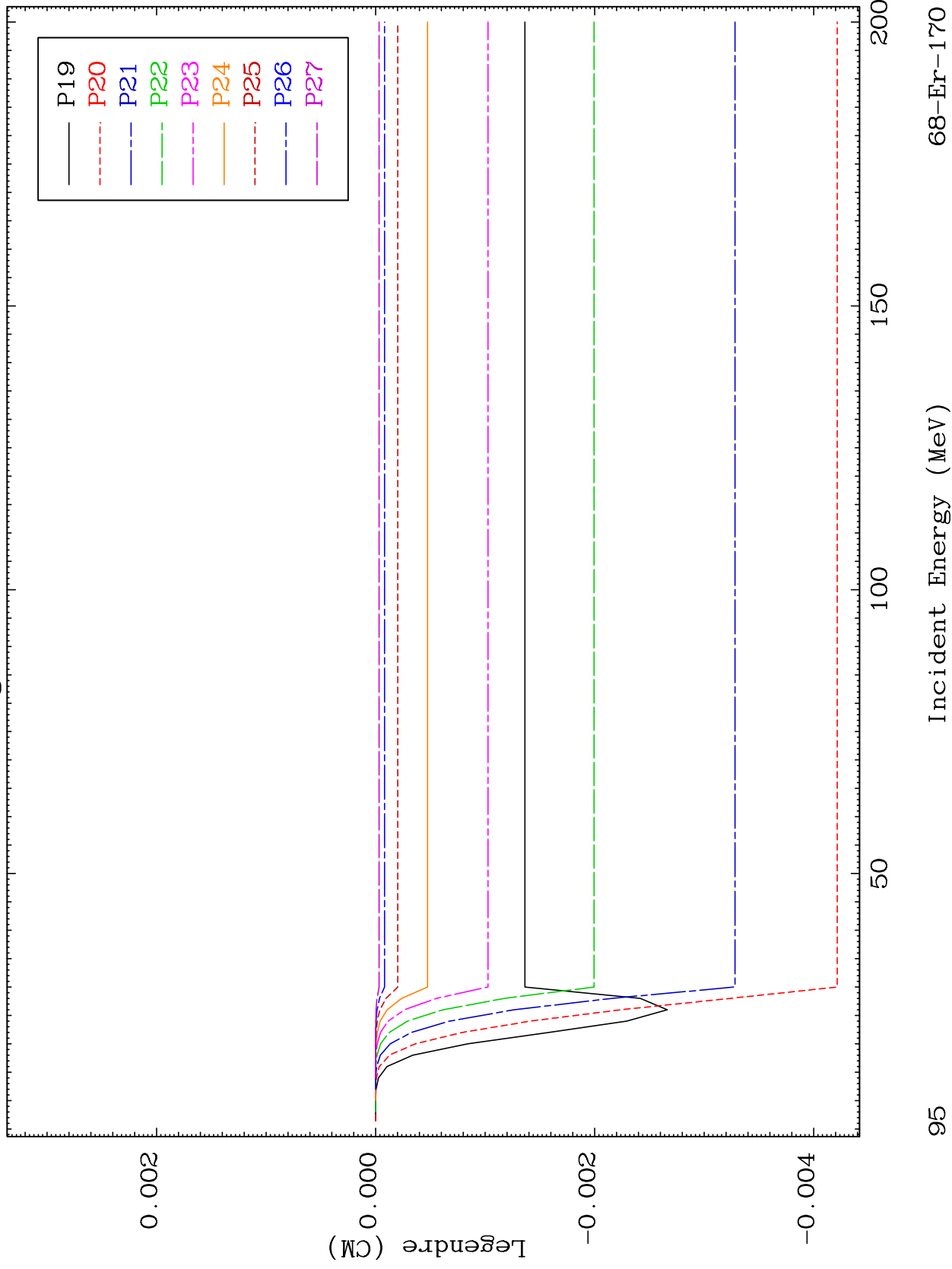
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 71 (n,n') Level
Legendre Coefficients

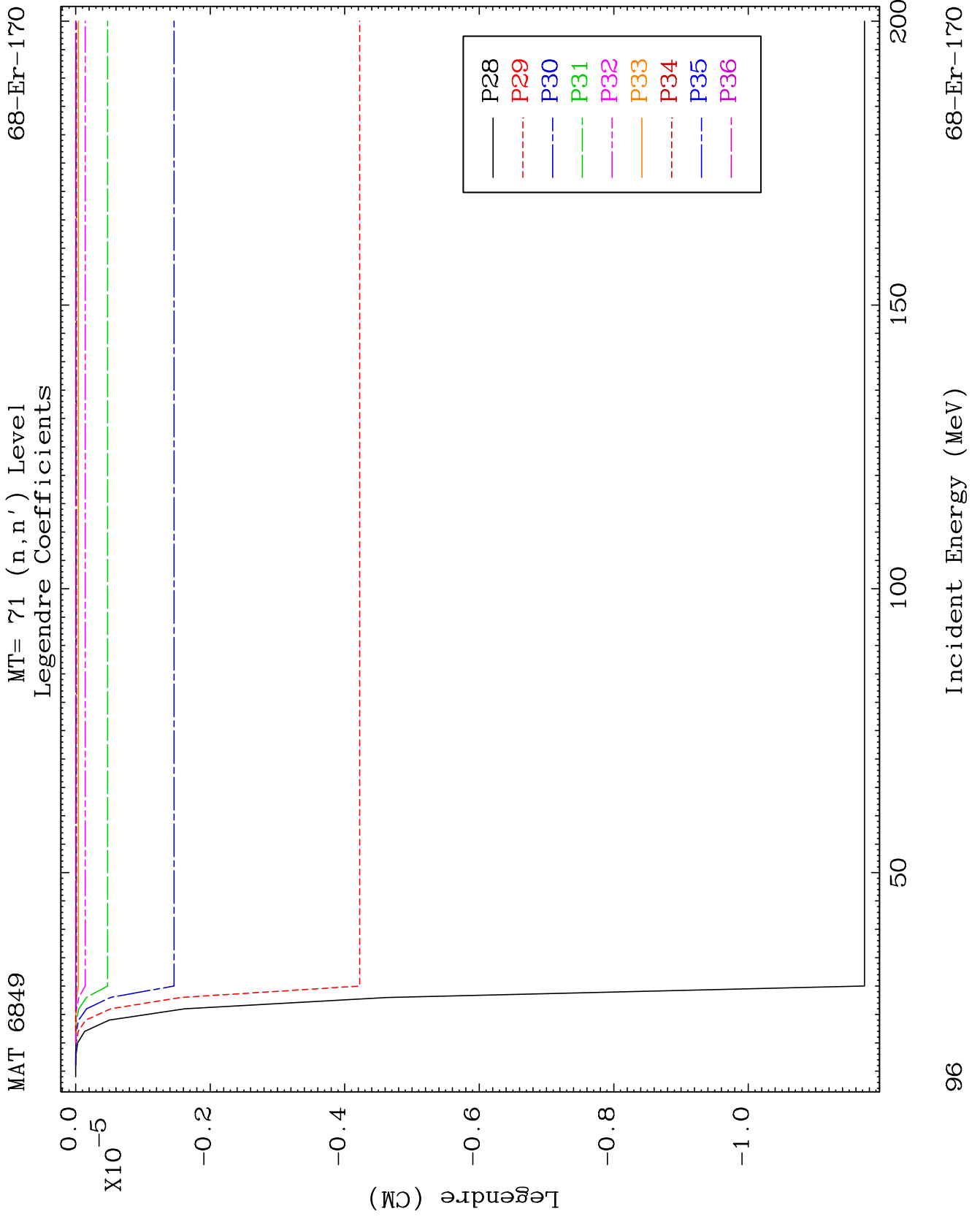
68-Er-170



95

Incident Energy (MeV)

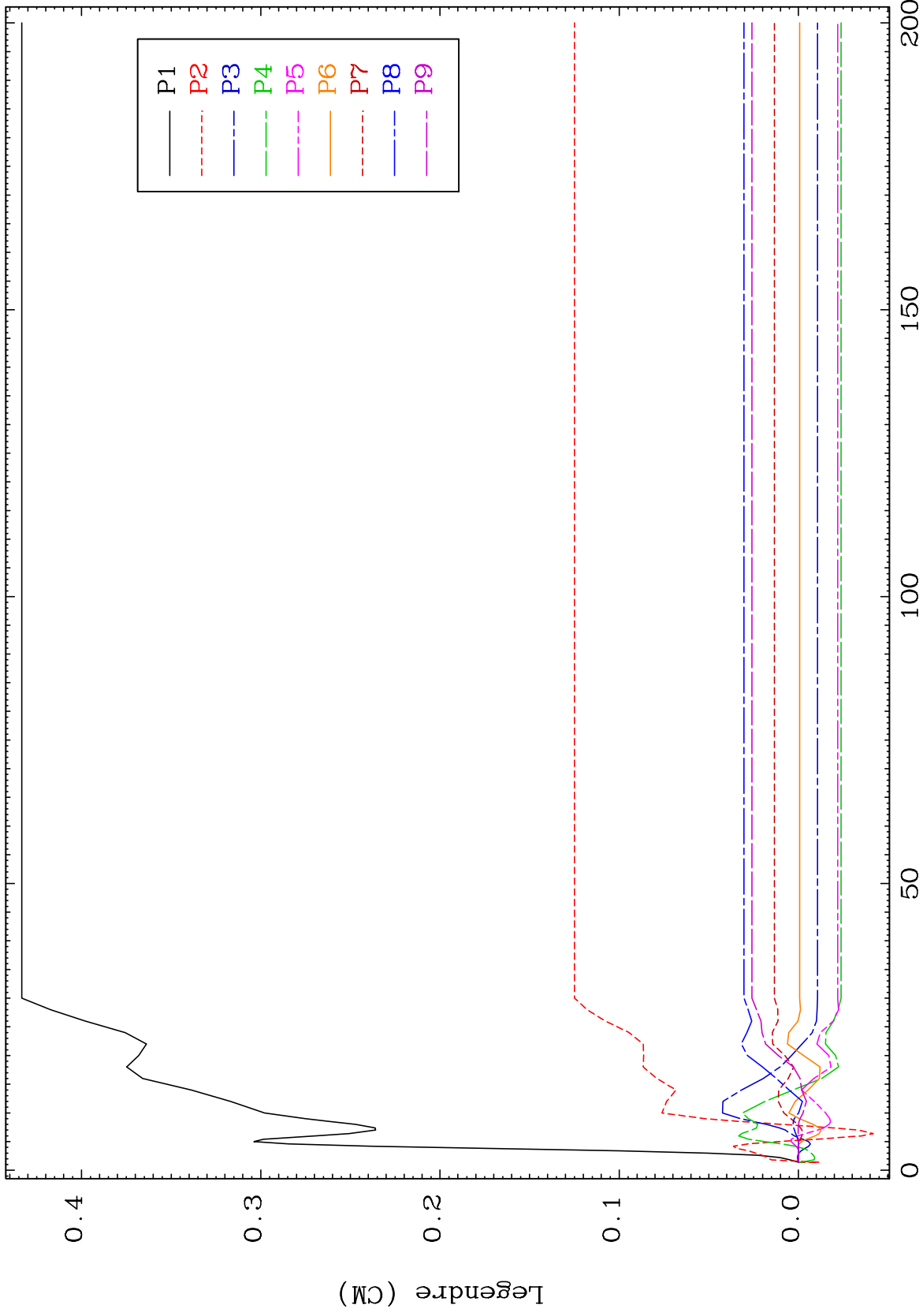
68-Er-170



MAT 6849

MT= 72 (n,n') Level
Legendre Coefficients

68-Er-170



97

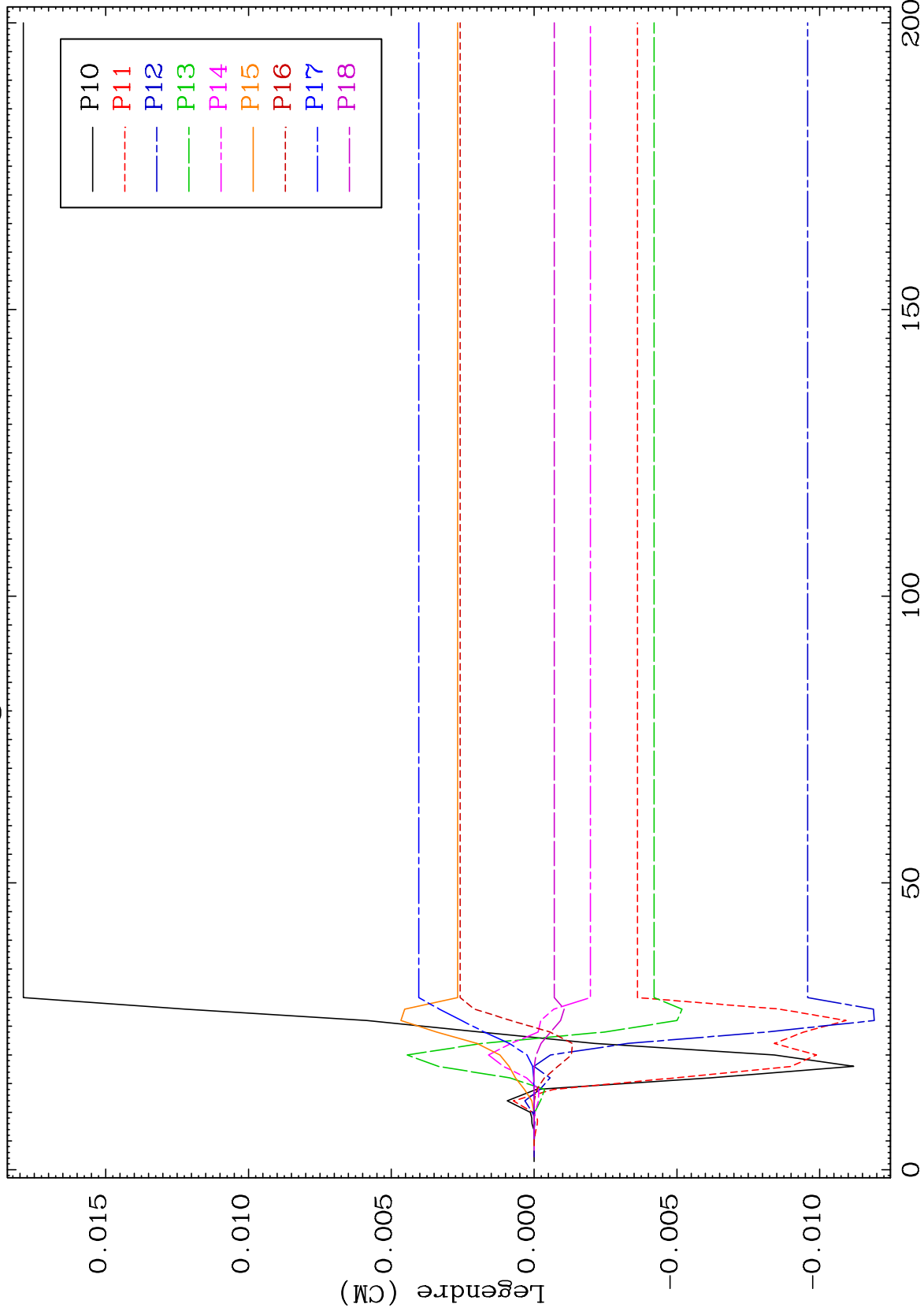
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 72 (n,n') Level
Legendre Coefficients

68-Er-170



98

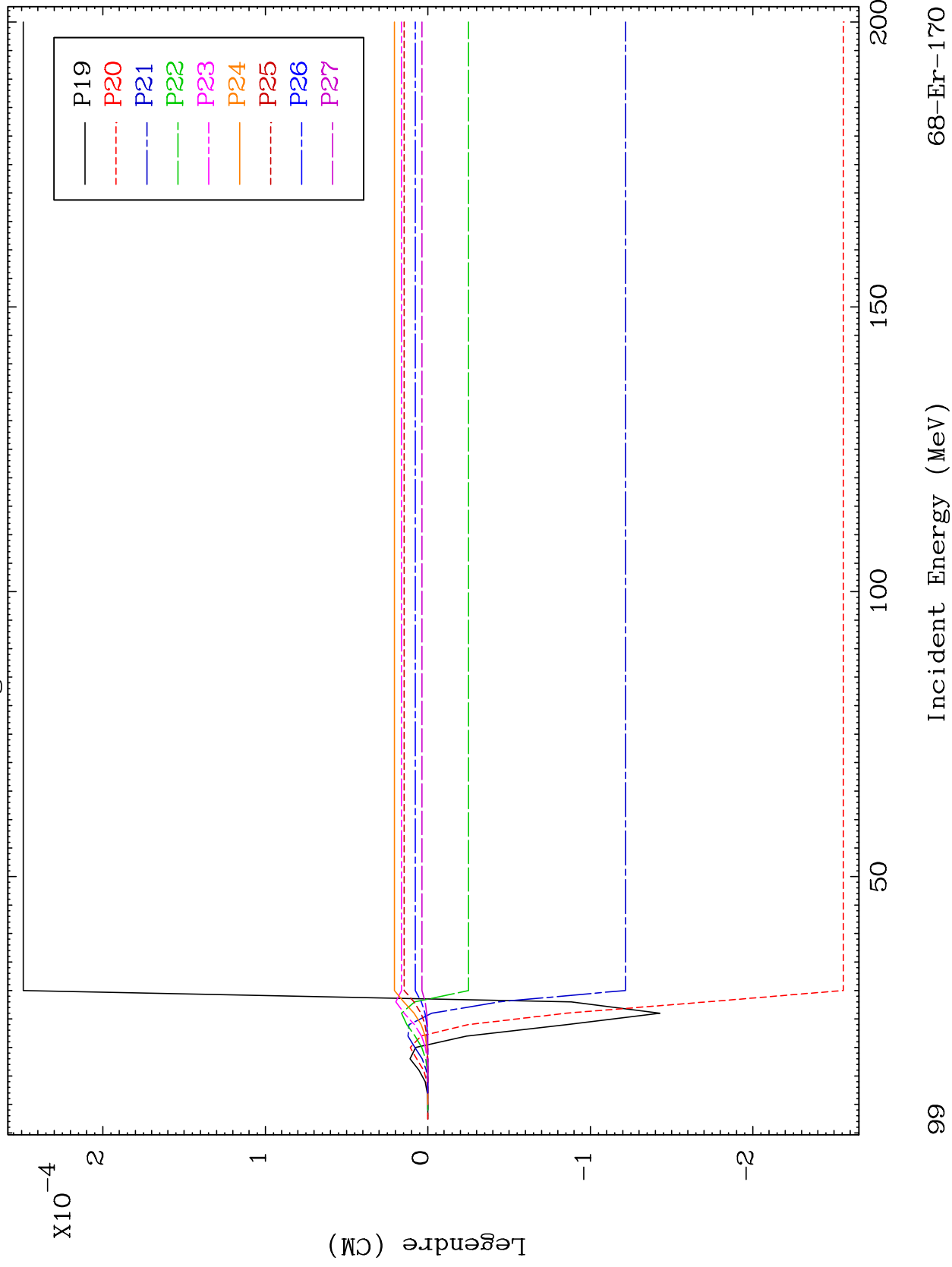
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 72 (n,n') Level
Legendre Coefficients

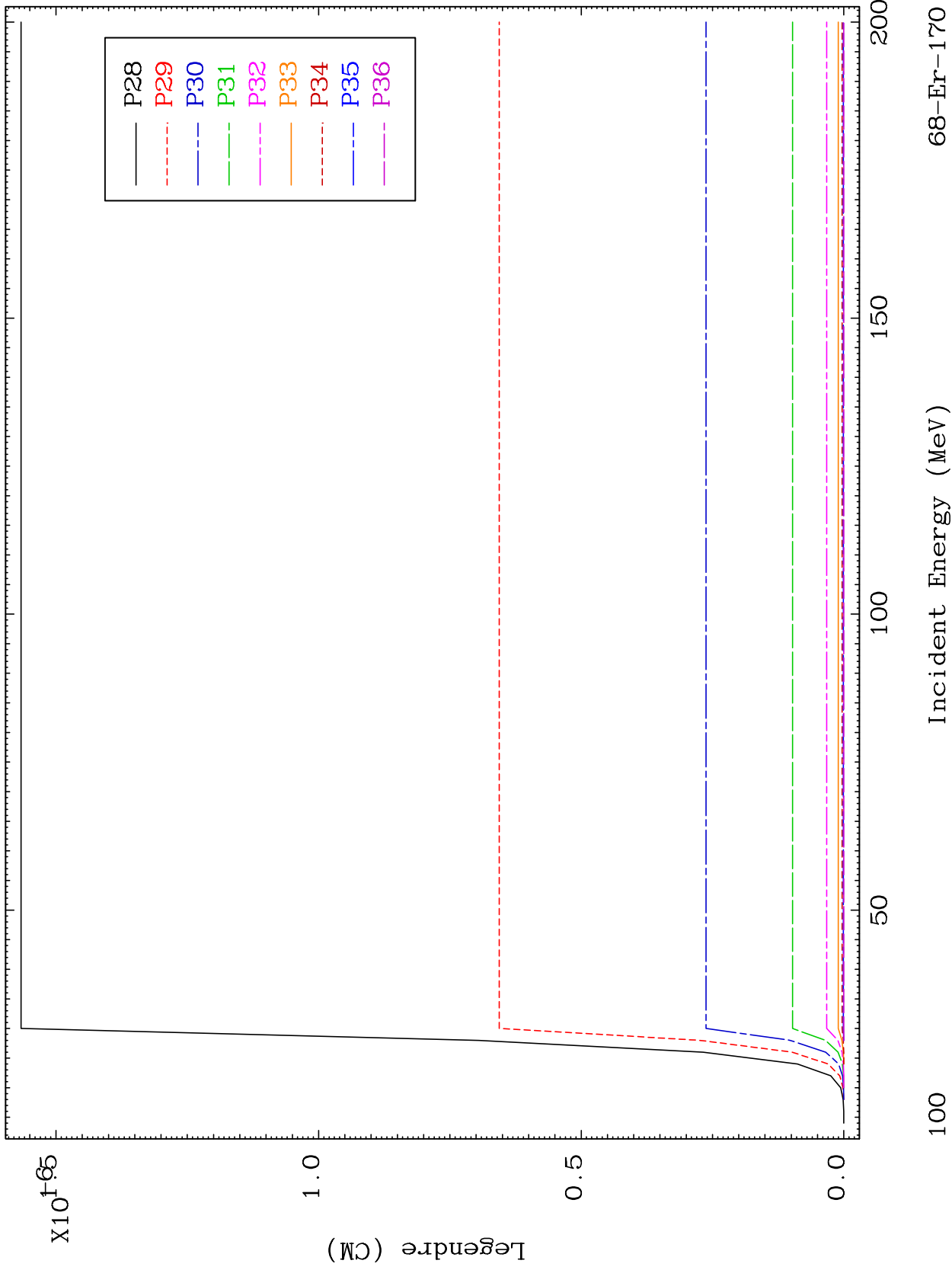
68-Er-170



MAT 6849

MT= 72 (n,n') Level
Legendre Coefficients

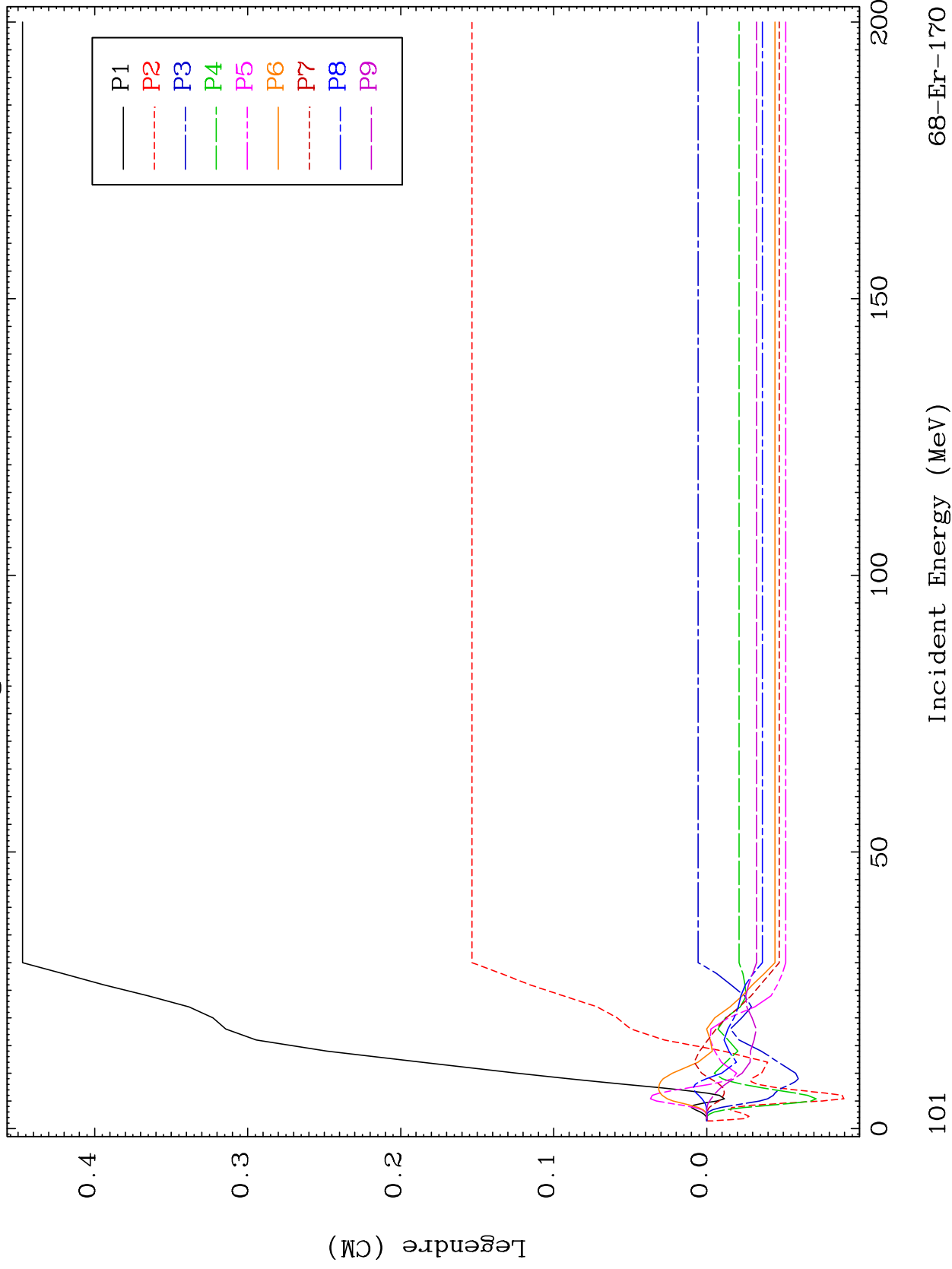
68-Er-170



MAT 6849

MT= 73 (n,n') Level
Legendre Coefficients

68-Er-170



68-Er-170

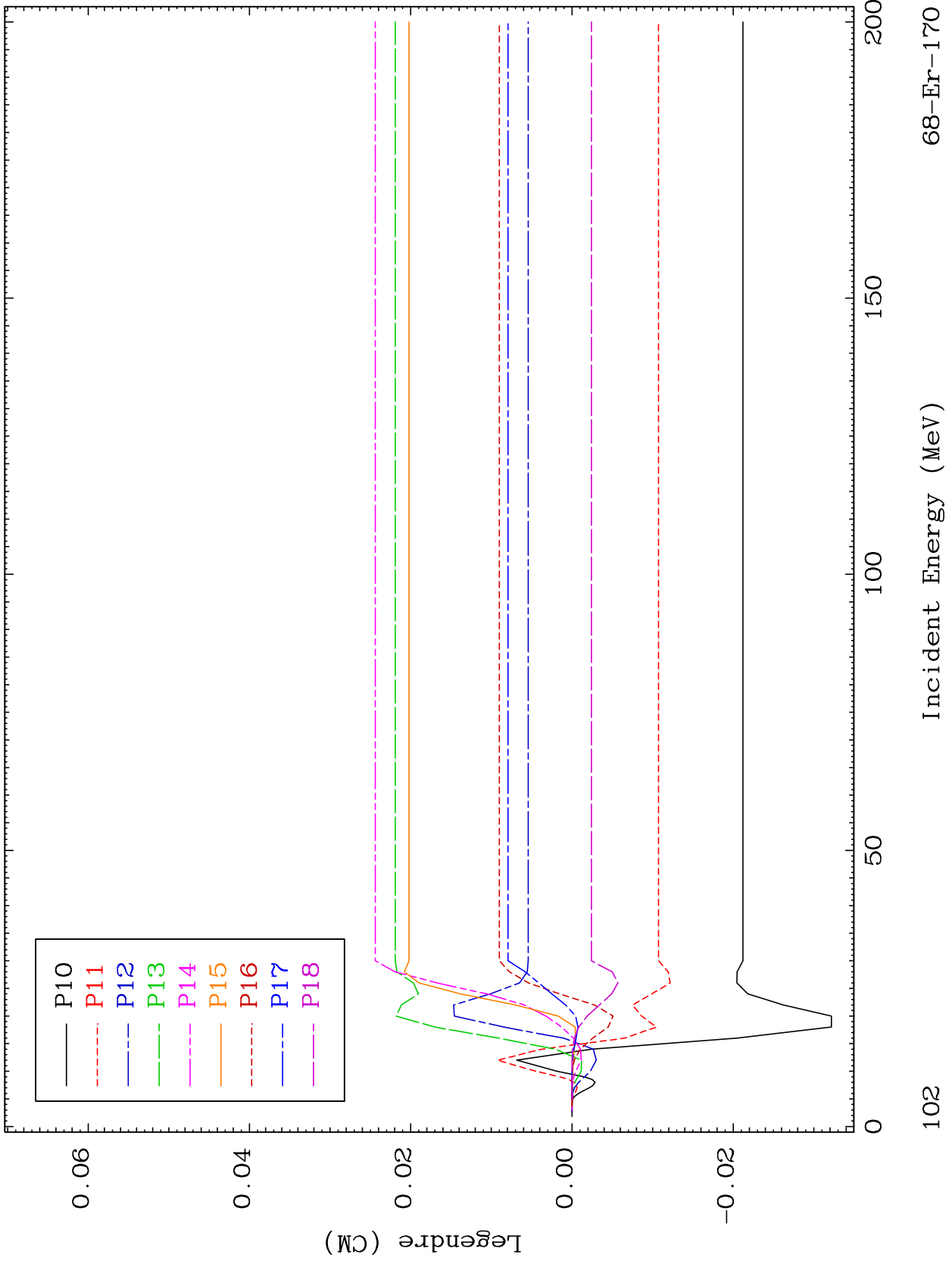
Incident Energy (MeV)

101

MAT 6849

MT= 73 (n,n') Level
Legendre Coefficients

68-Er-170



68-Er-170

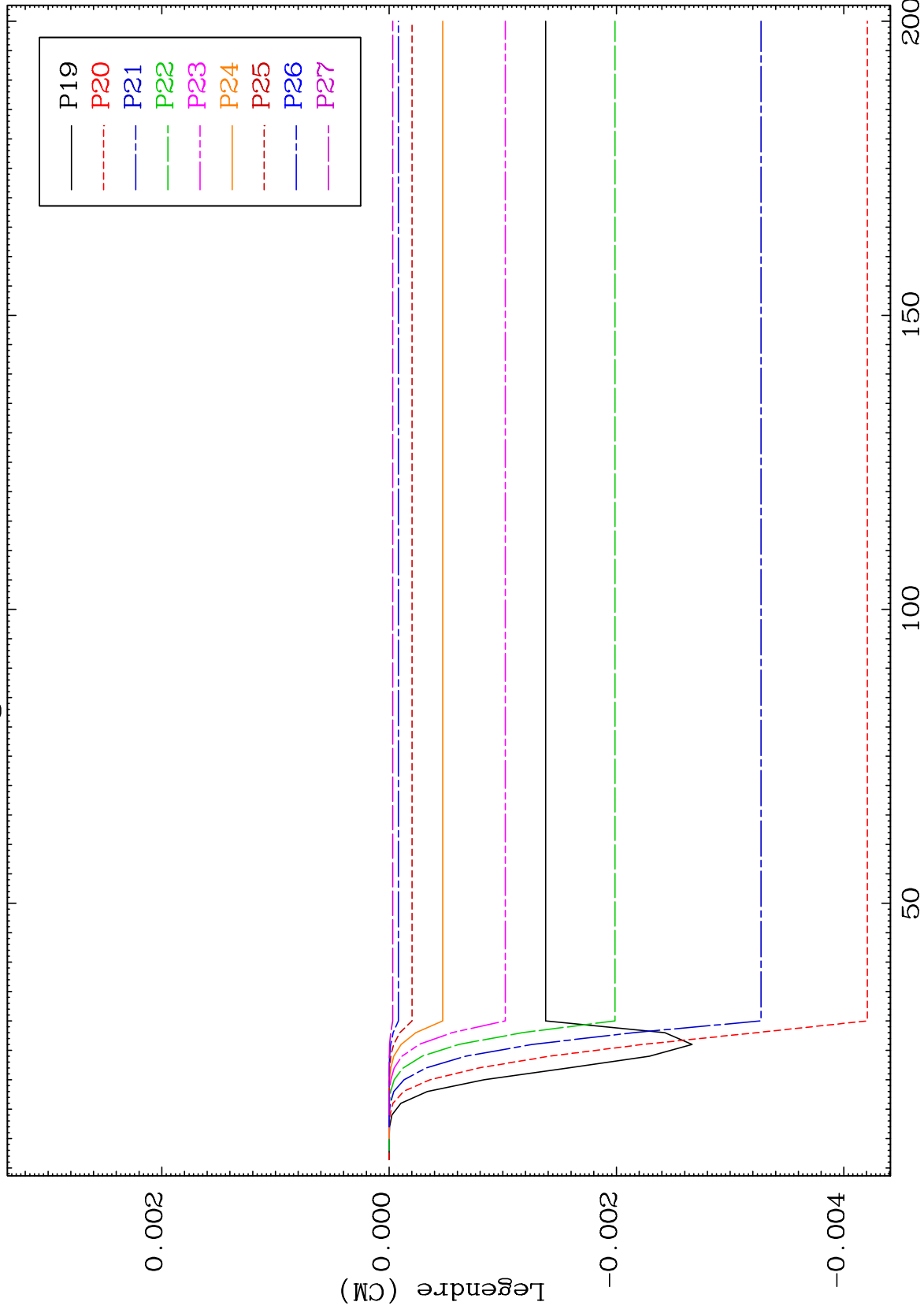
Incident Energy (MeV)

102

MAT 6849

MT= 73 (n,n') Level
Legendre Coefficients

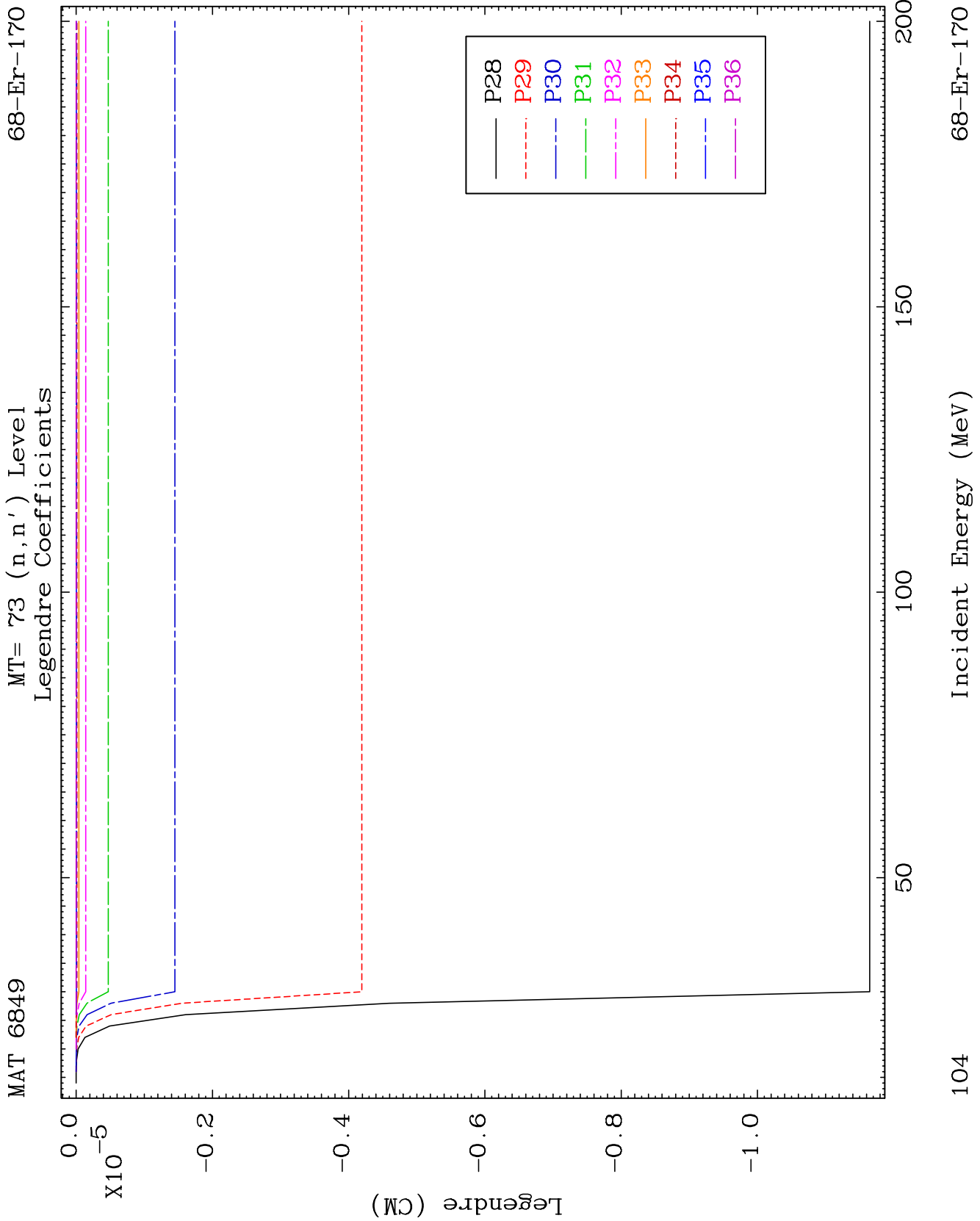
68-Er-170



103

Incident Energy (MeV)

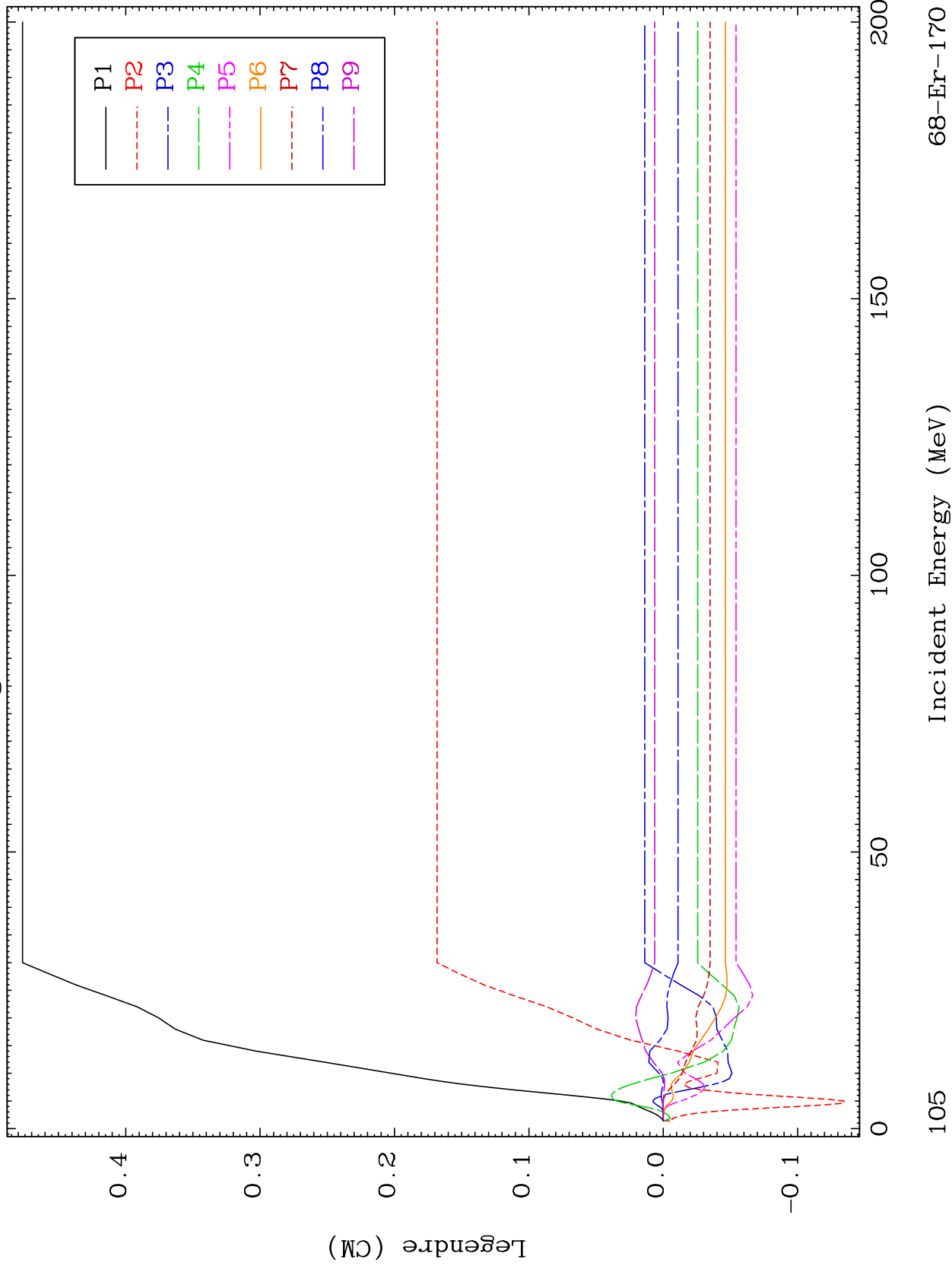
68-Er-170



MAT 6849

MT= 74 (n,n') Level
Legendre Coefficients

68-Er-170



68-Er-170

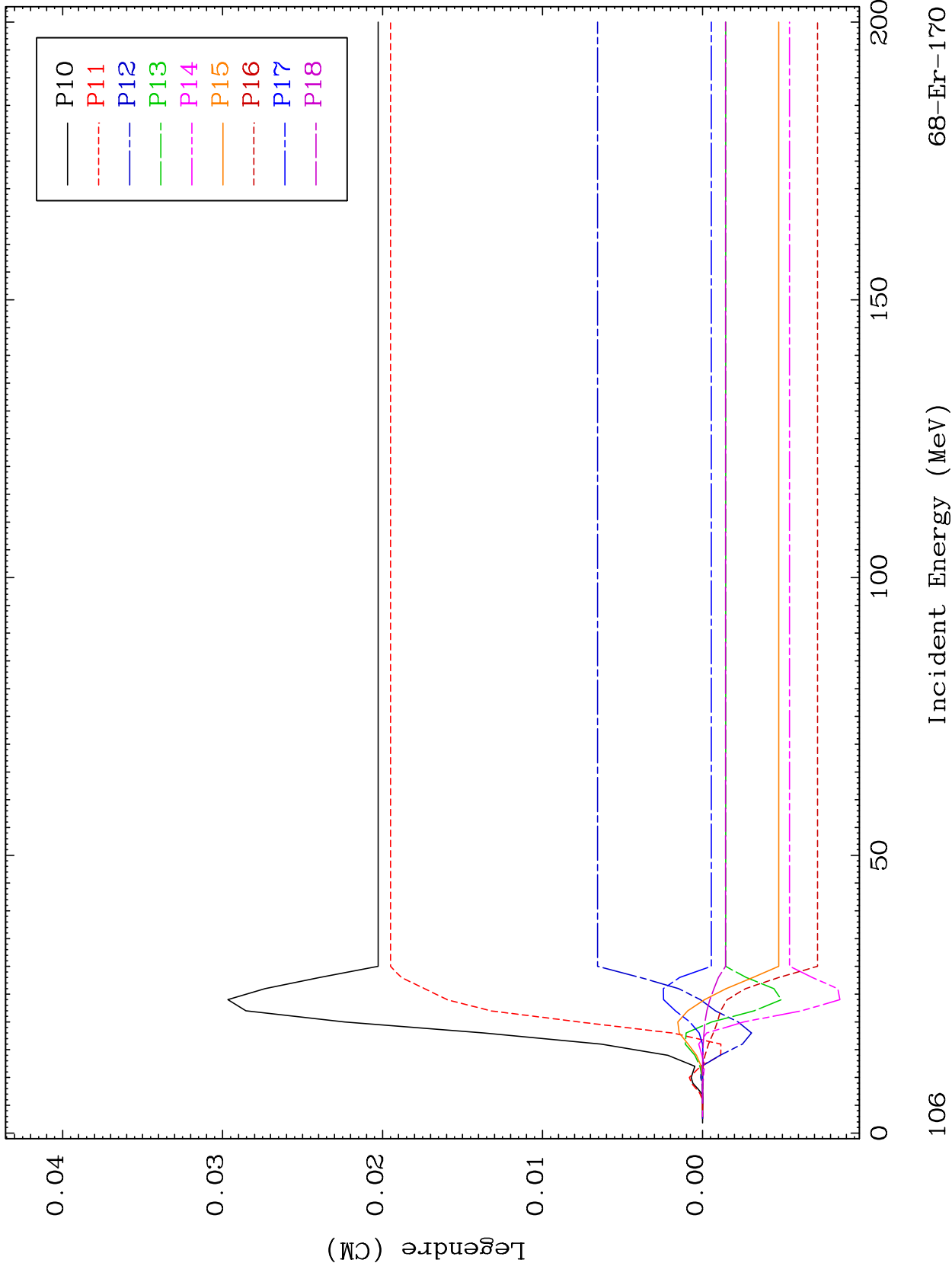
Incident Energy (MeV)

105

MAT 6849

MT= 74 (n,n') Level
Legendre Coefficients

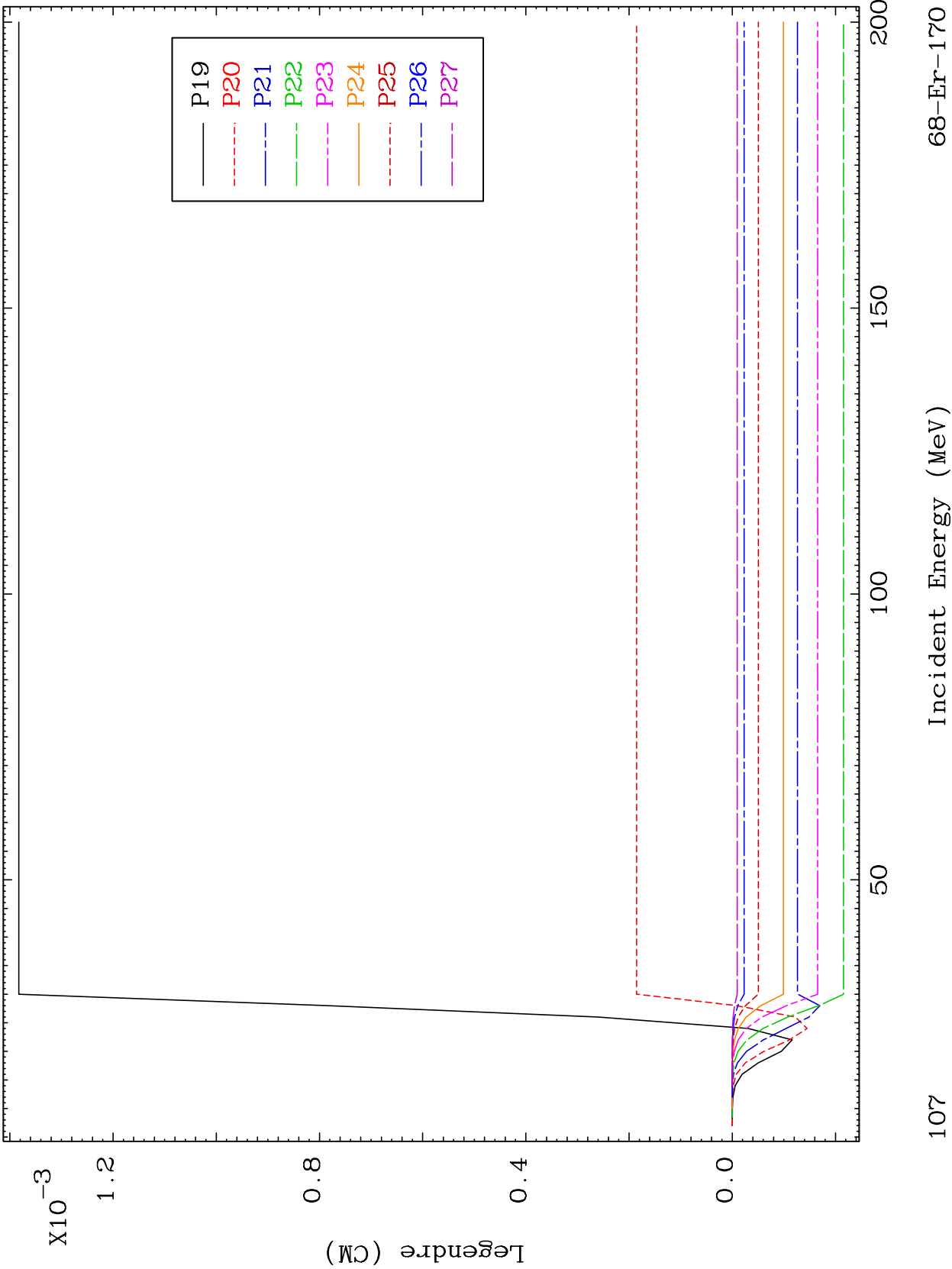
68-Er-170



MAT 6849

MT= 74 (n,n') Level
Legendre Coefficients

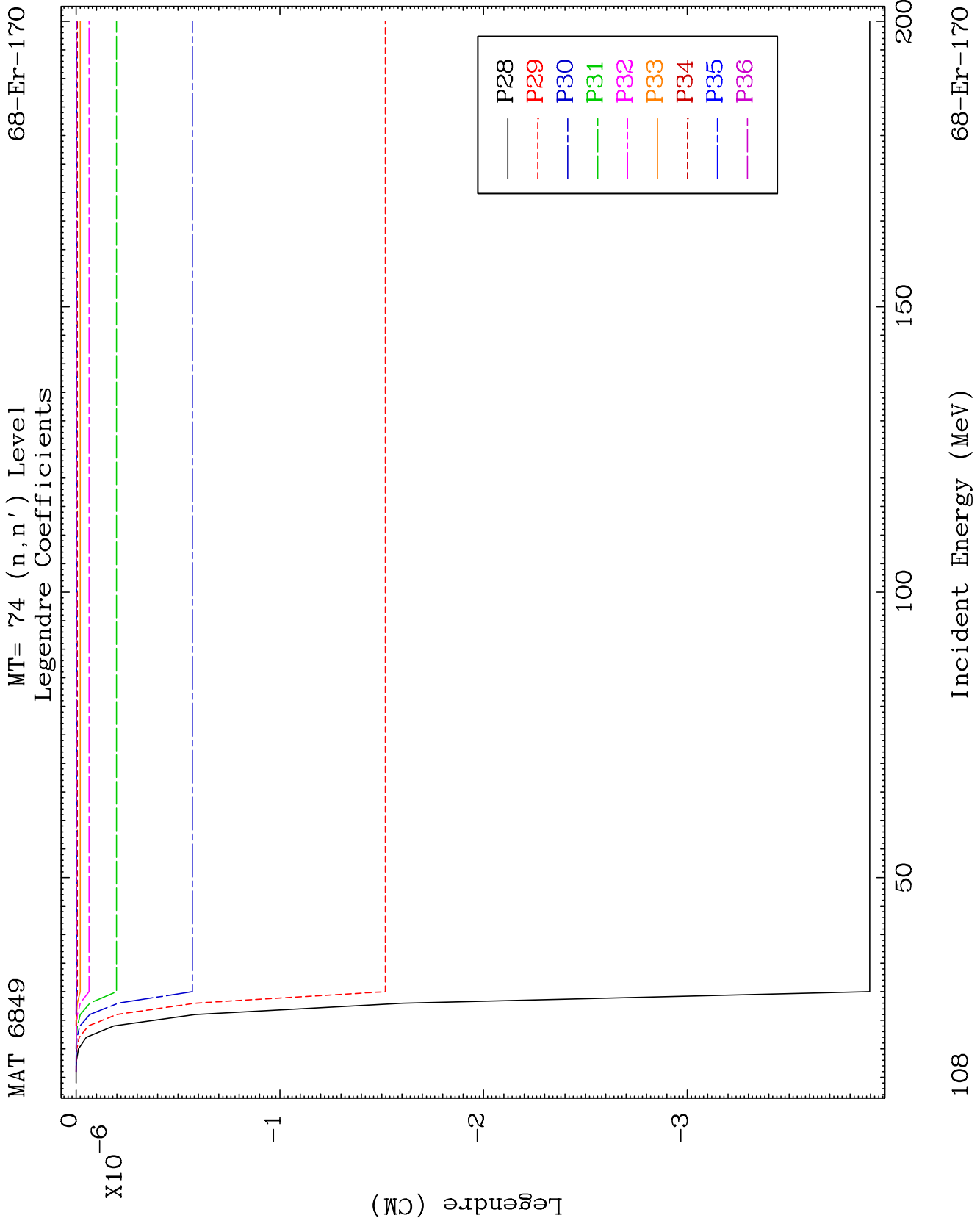
68-Er-170



107

Incident Energy (MeV)

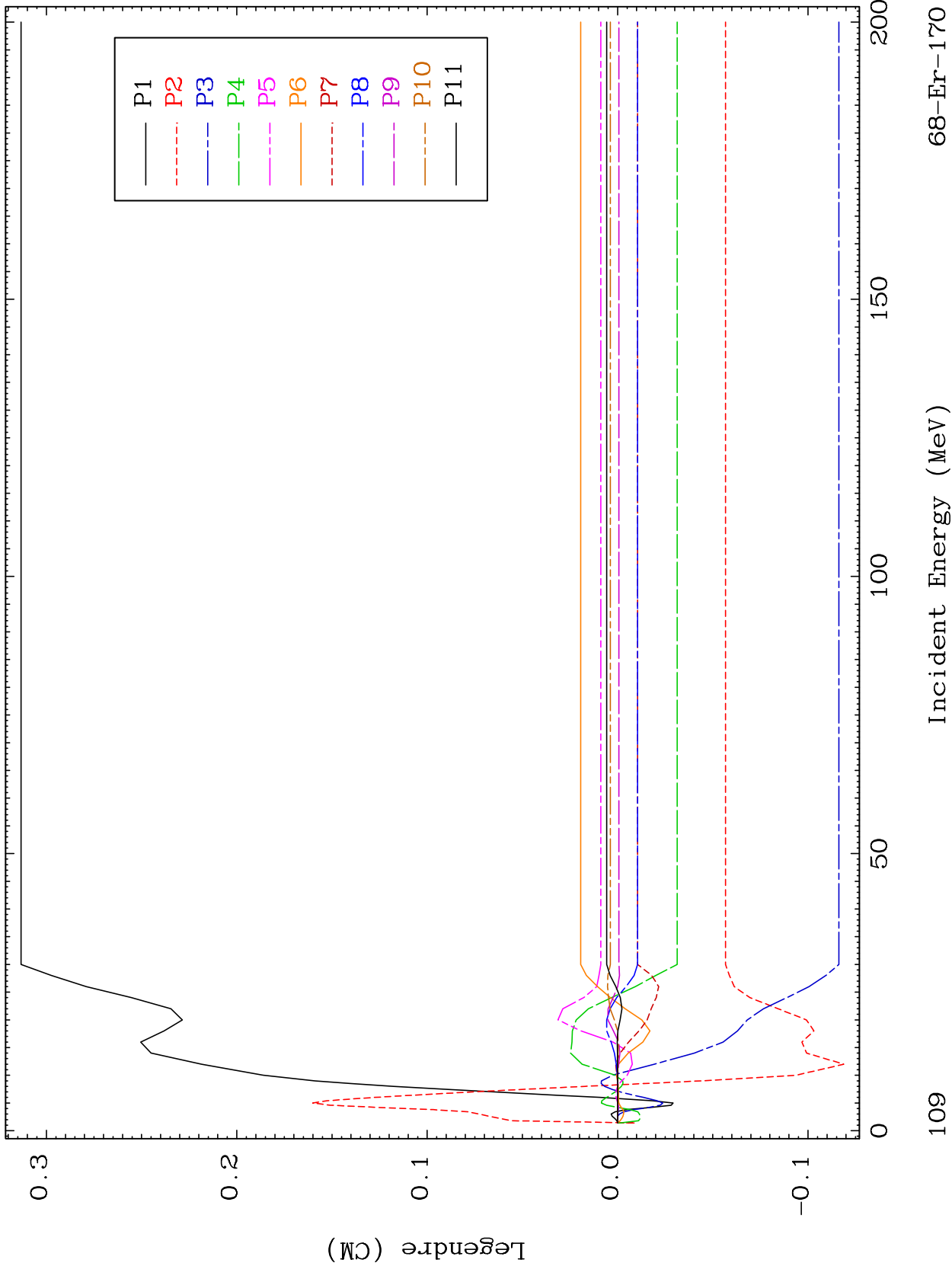
68-Er-170



MAT 6849

MT= 75 (n,n') Level
Legendre Coefficients

68-Er-170



68-Er-170

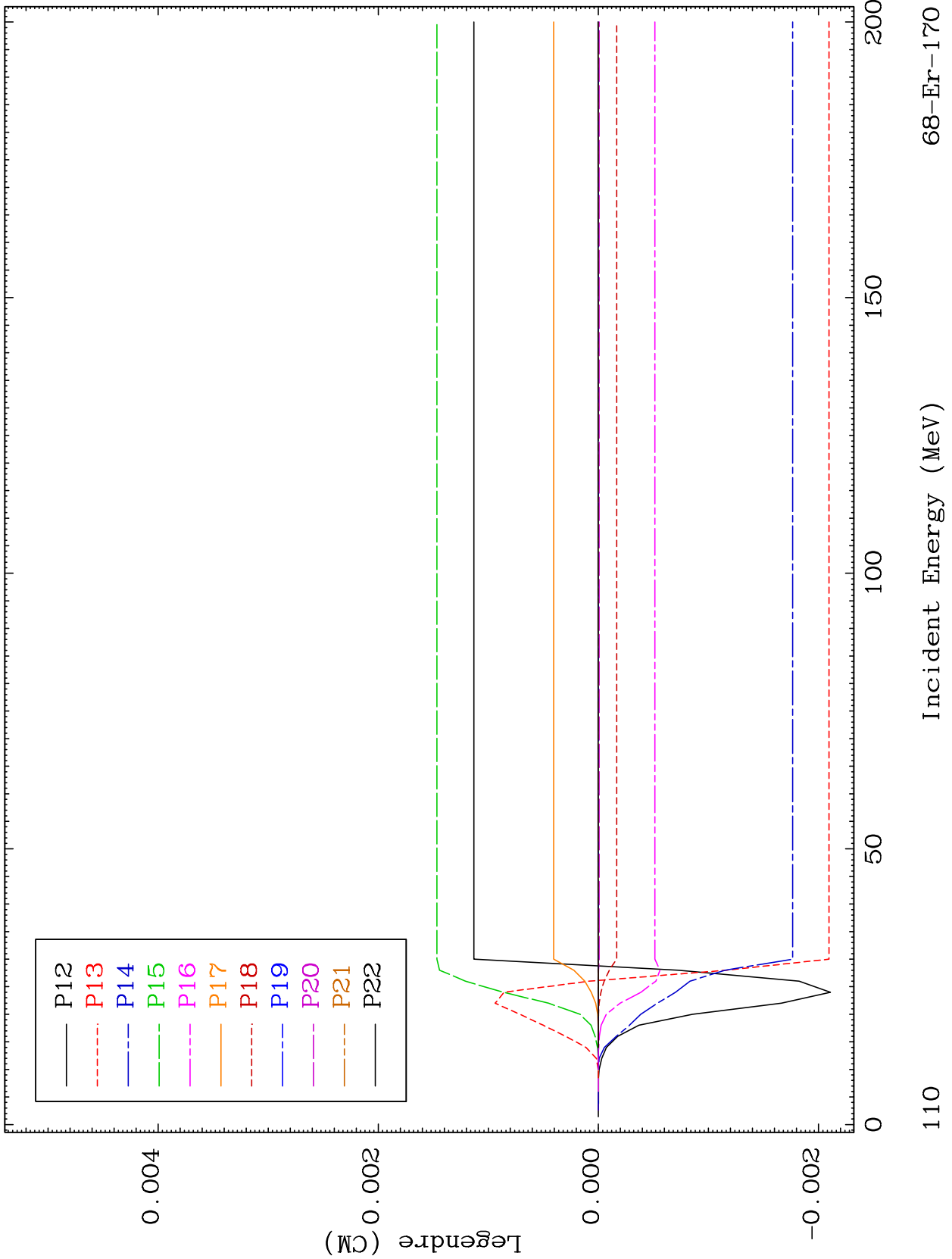
Incident Energy (MeV)

109

MAT 6849

MT= 75 (n,n') Level
Legendre Coefficients

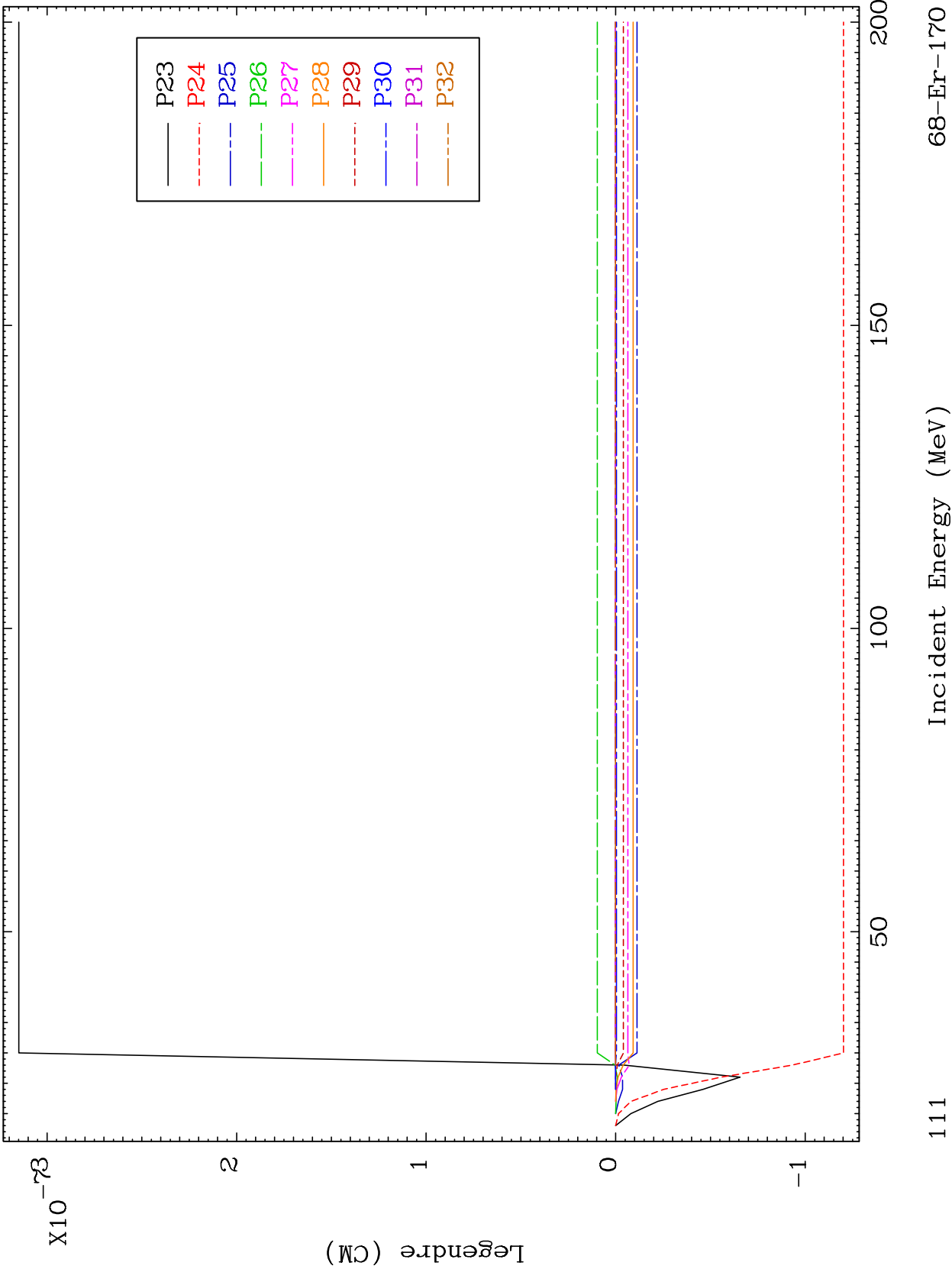
68-Er-170



MAT 6849

MT= 75 (n,n') Level
Legendre Coefficients

68-Er-170



111

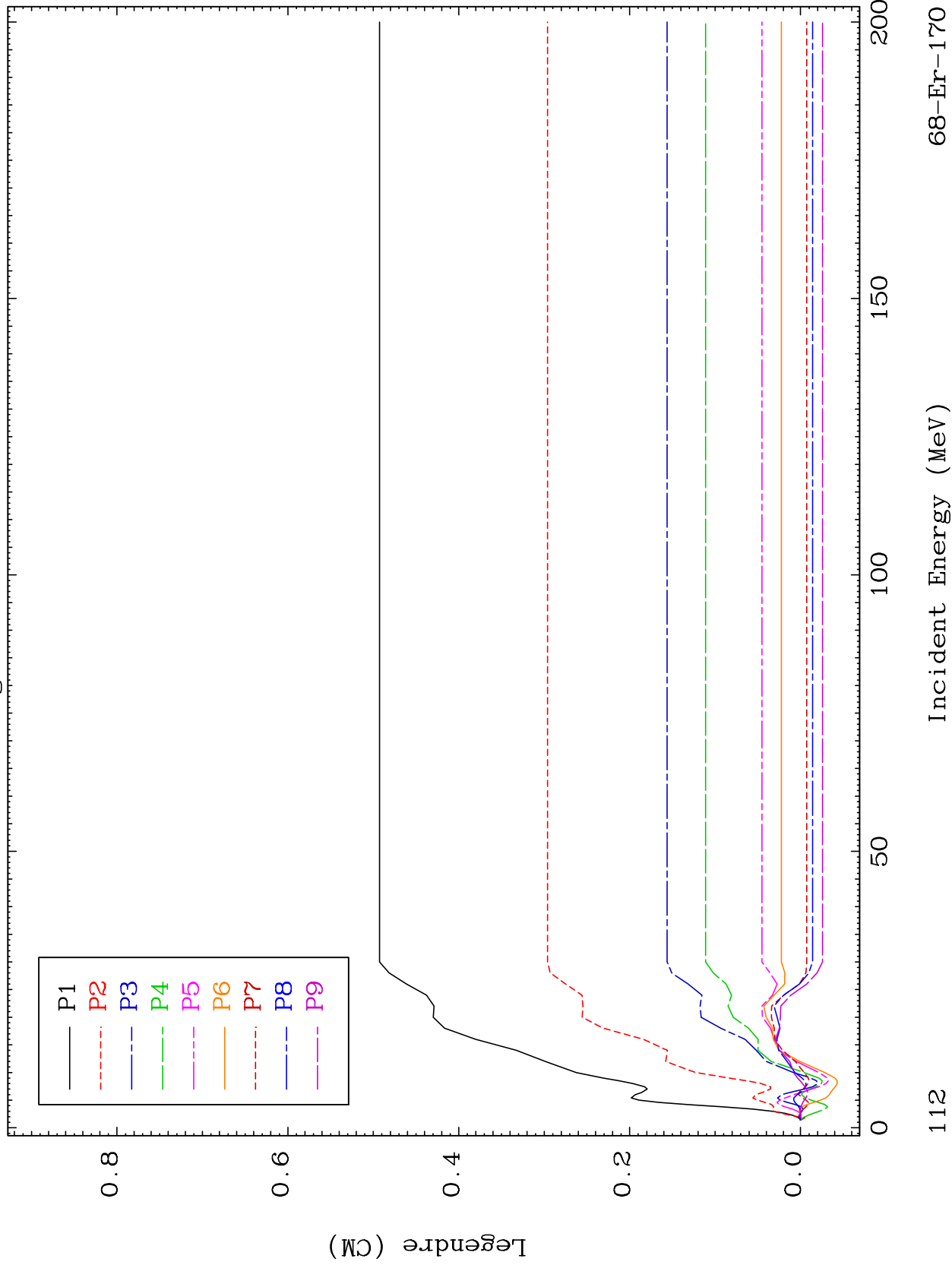
Incident Energy (MeV)

68-Er-170

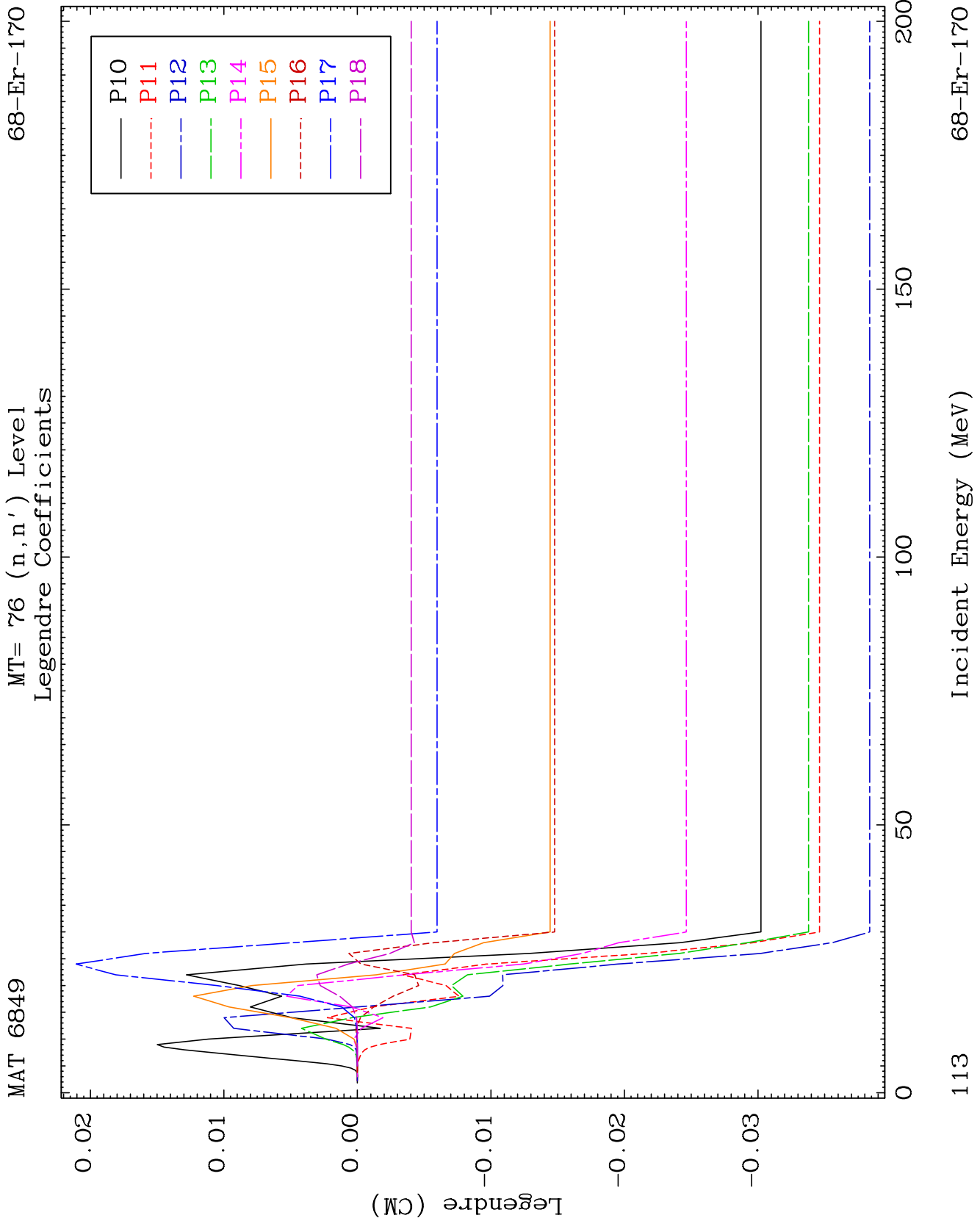
MAT 6849

MT= 76 (n,n') Level
Legendre Coefficients

68-Er-170



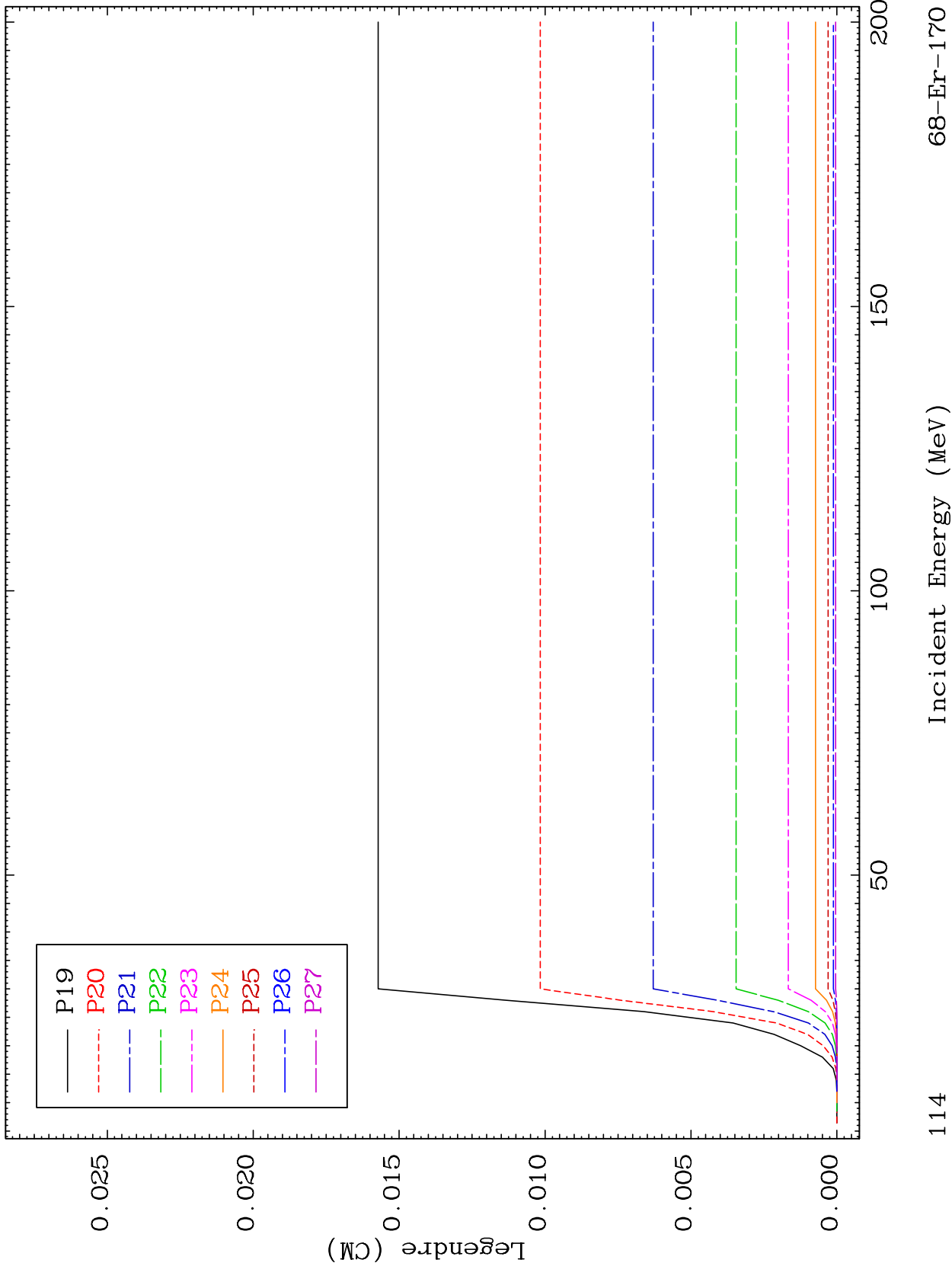
112



MAT 6849

MT= 76 (n,n') Level
Legendre Coefficients

68-Er-170



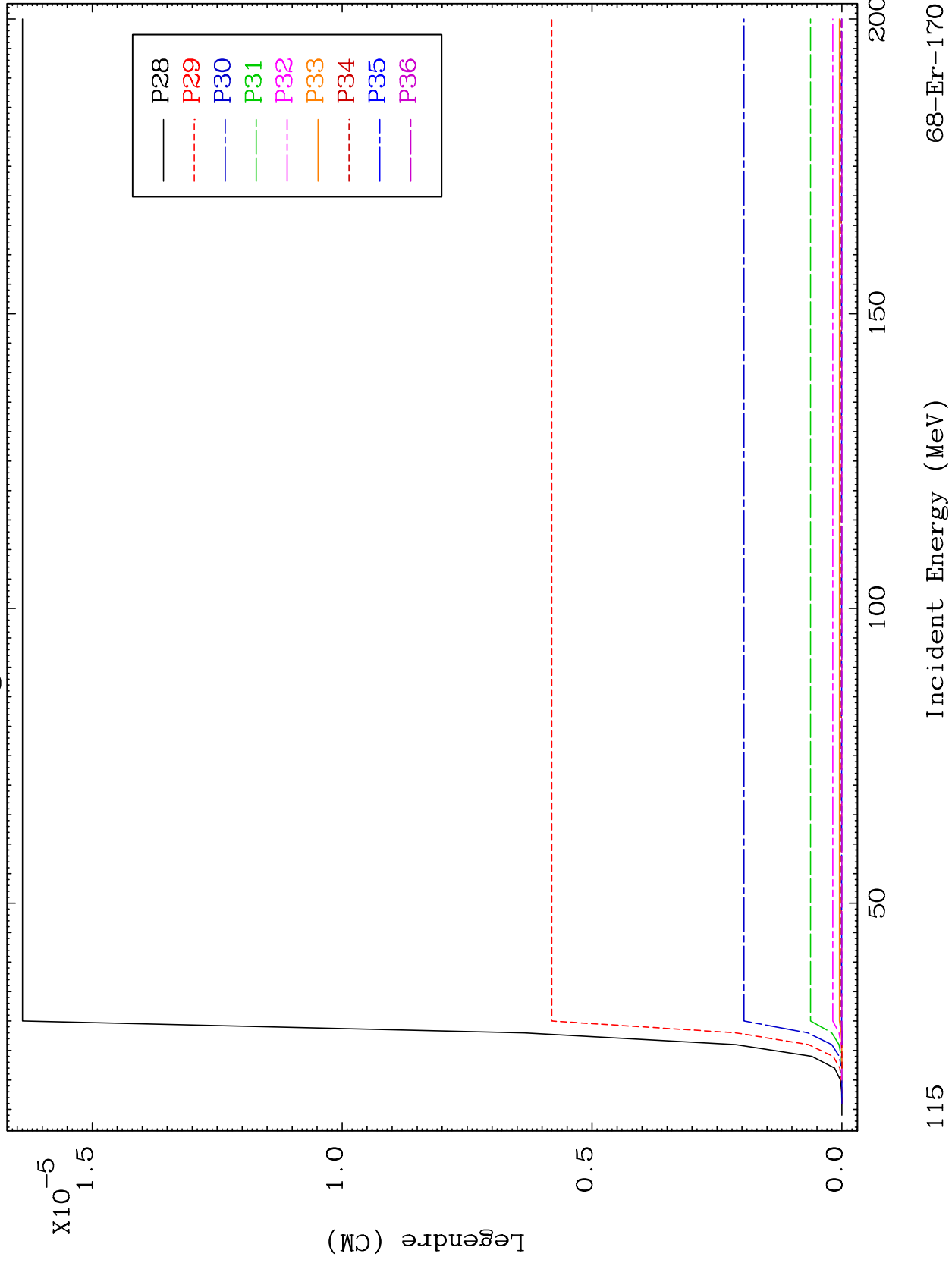
114

68-Er-170

MAT 6849

MT= 76 (n,n') Level
Legendre Coefficients

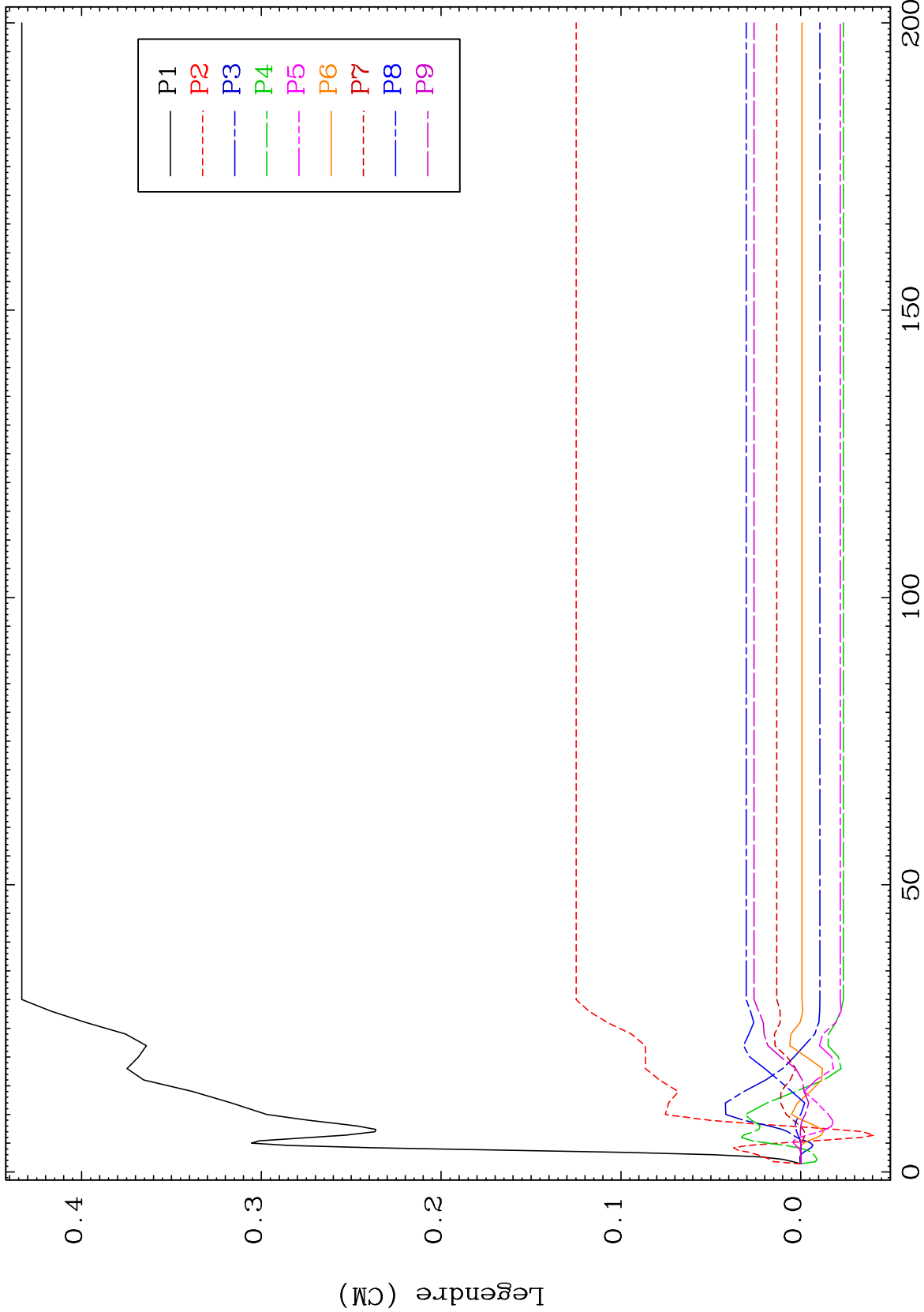
68-Er-170



MAT 6849

MT= 77 (n,n') Level
Legendre Coefficients

68-Er-170



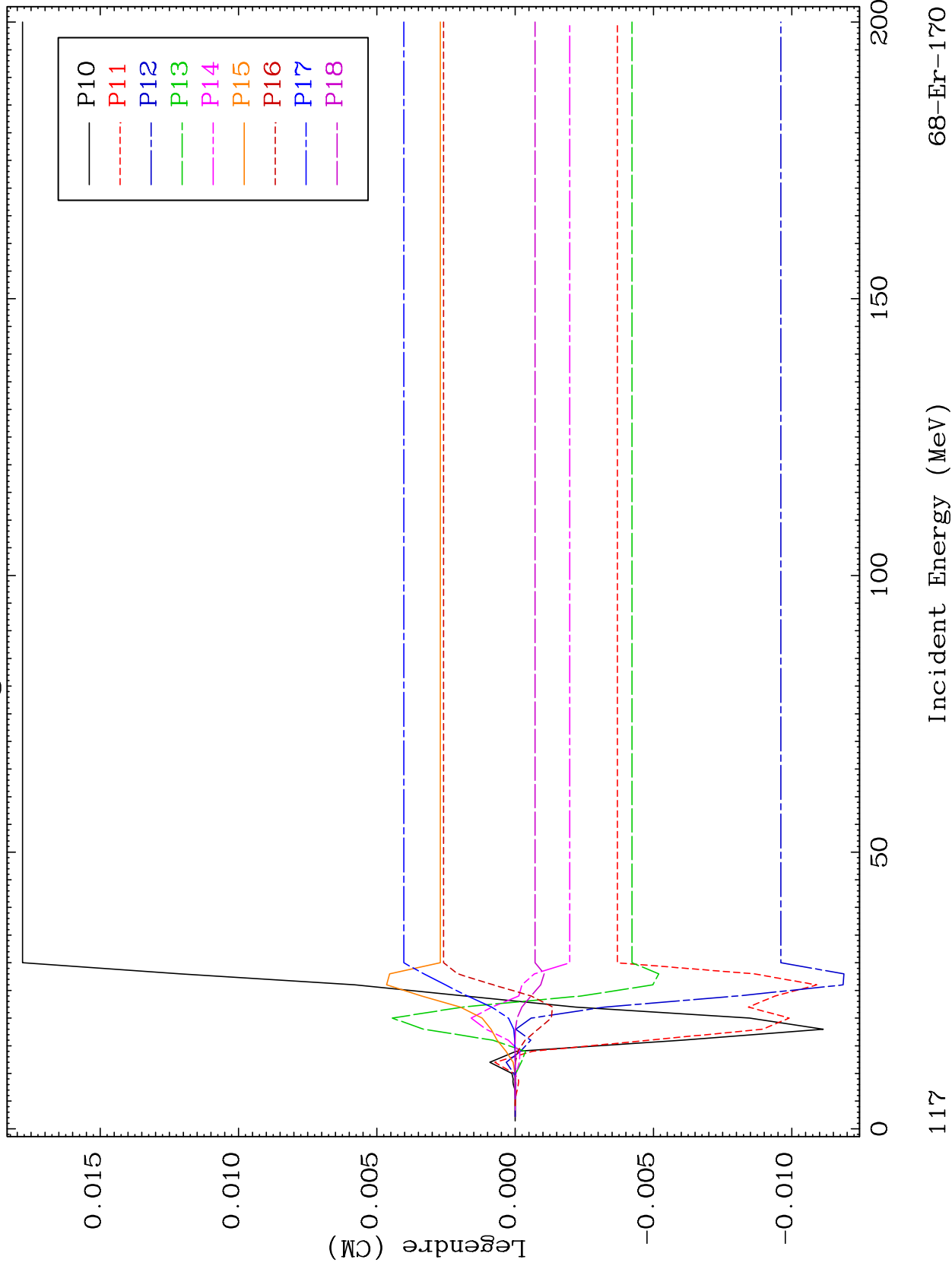
116

68-Er-170

MAT 6849

MT= 77 (n,n') Level
Legendre Coefficients

68-Er-170

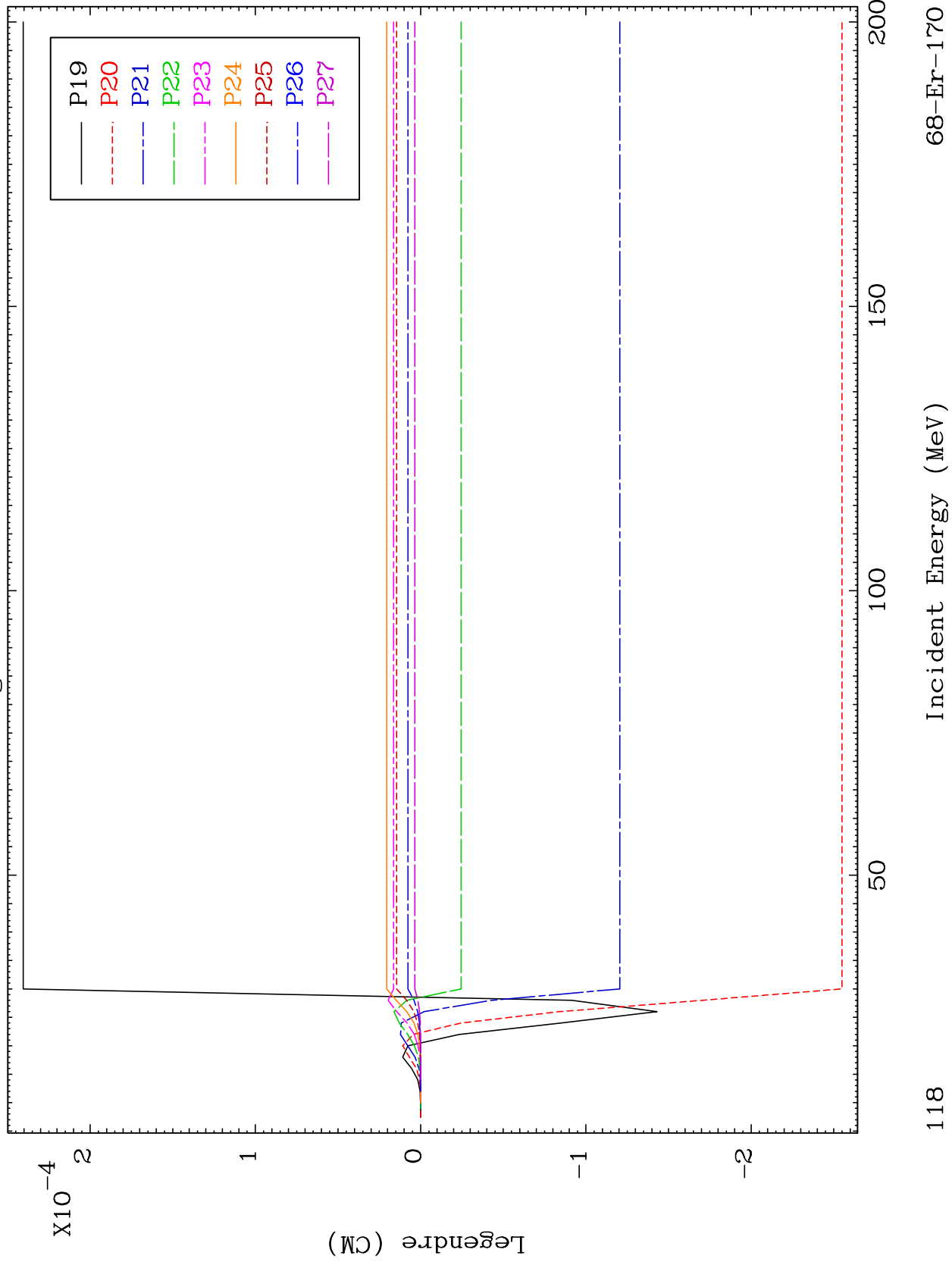


117

MAT 6849

MT= 77 (n,n') Level
Legendre Coefficients

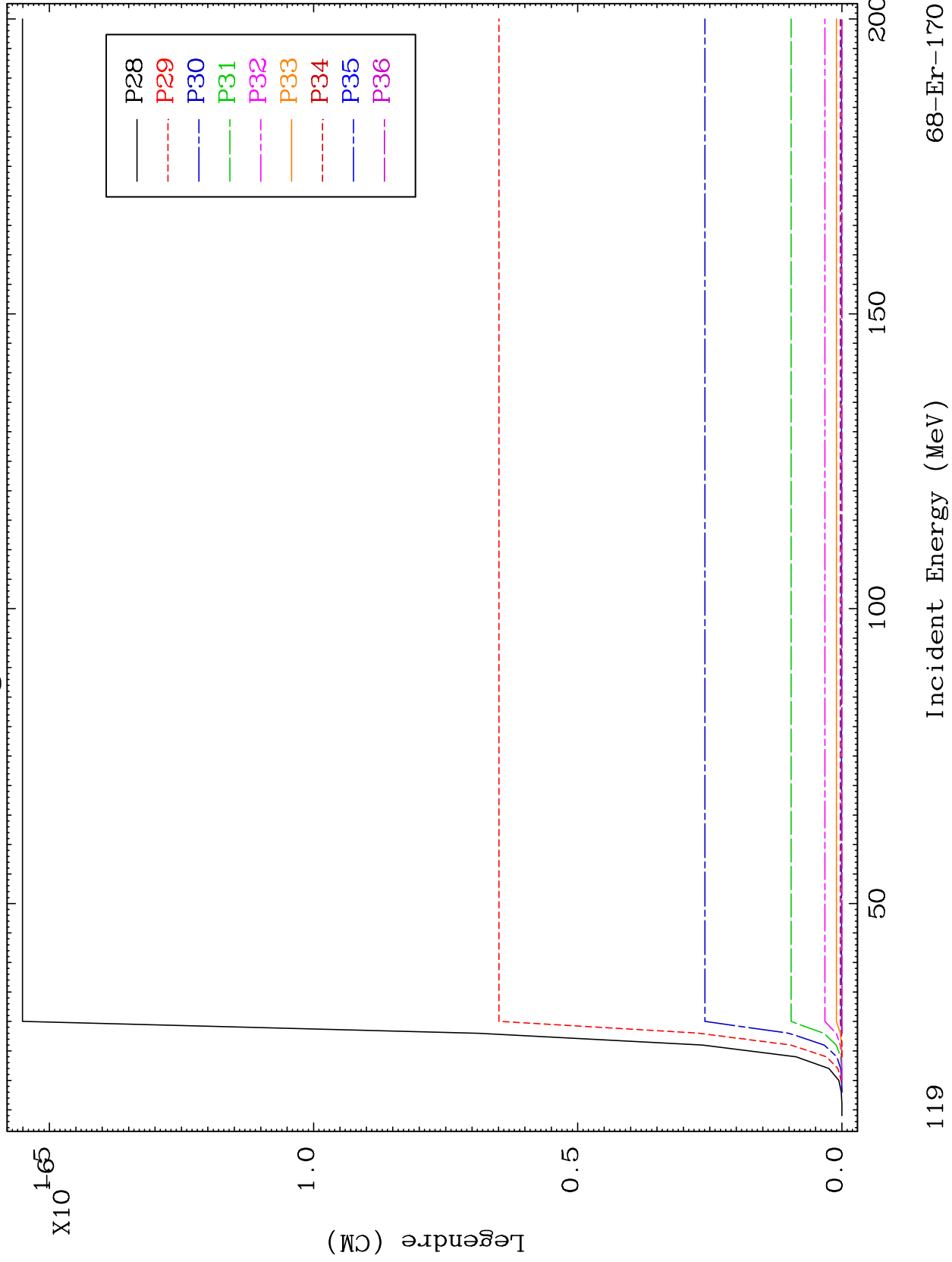
68-Er-170



MAT 6849

MT= 77 (n,n') Level
Legendre Coefficients

68-Er-170



119

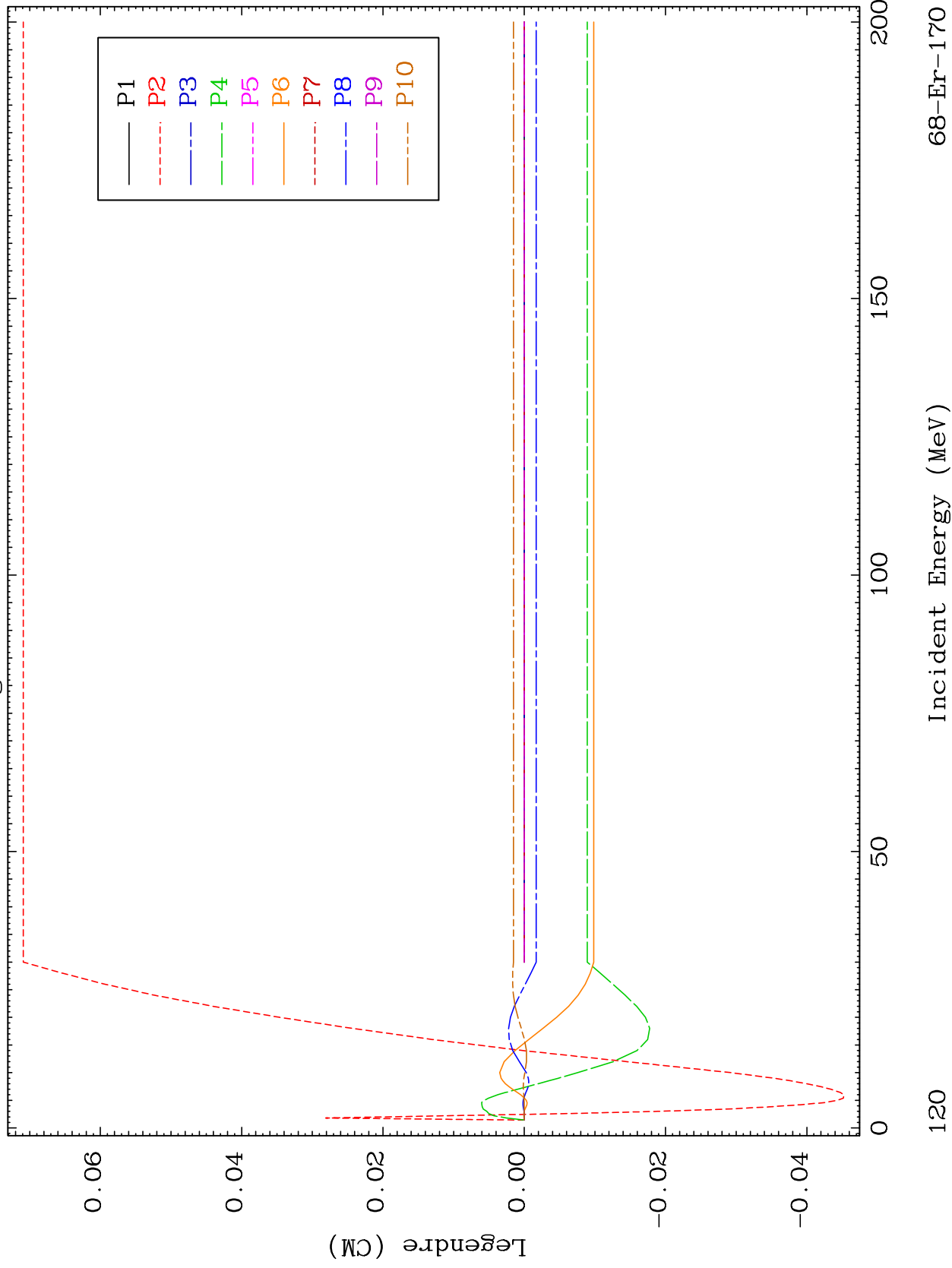
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 78 (n,n') Level
Legendre Coefficients

68-Er-170



68-Er-170

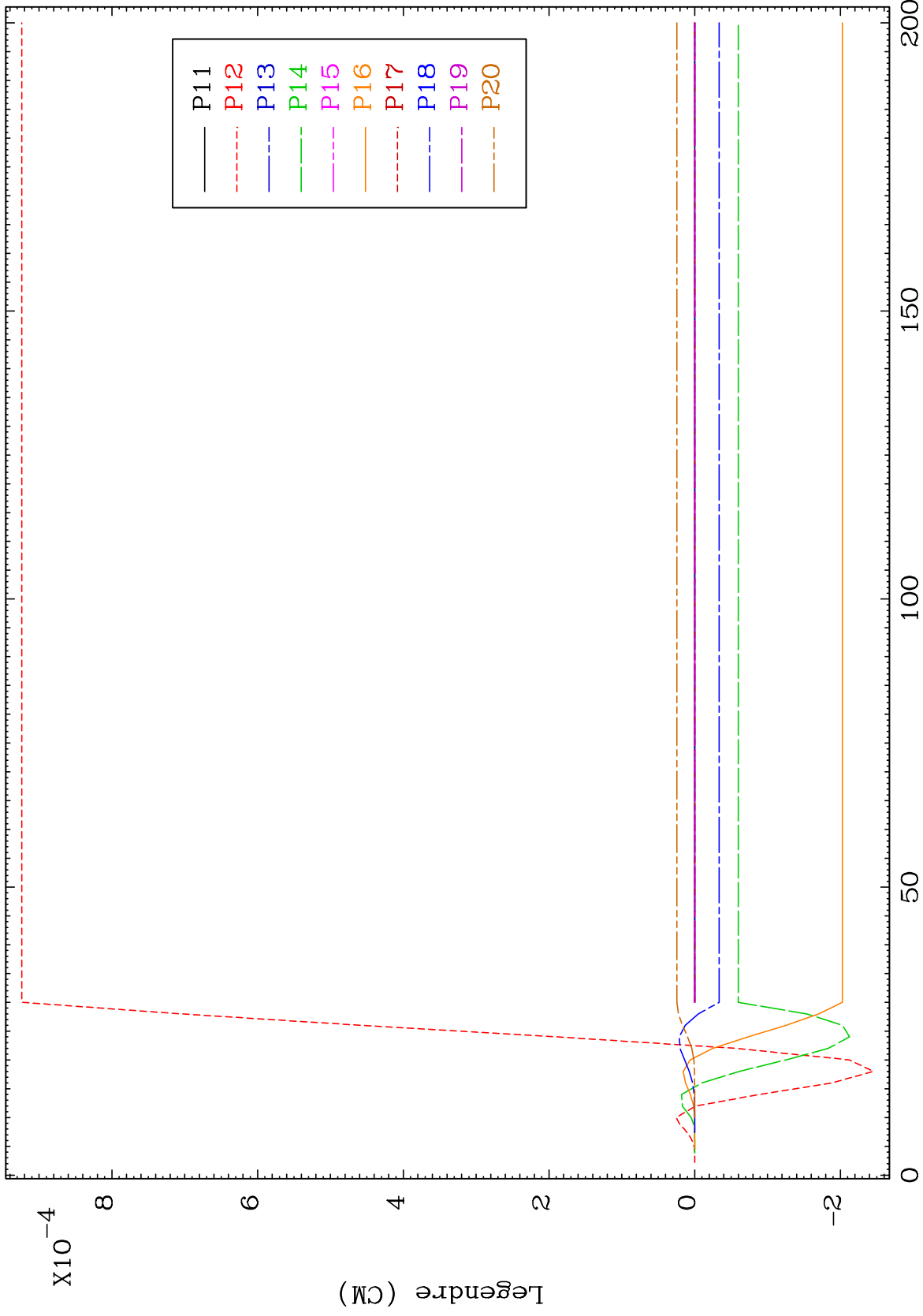
Incident Energy (MeV)

120

MAT 6849

MT= 78 (n,n') Level
Legendre Coefficients

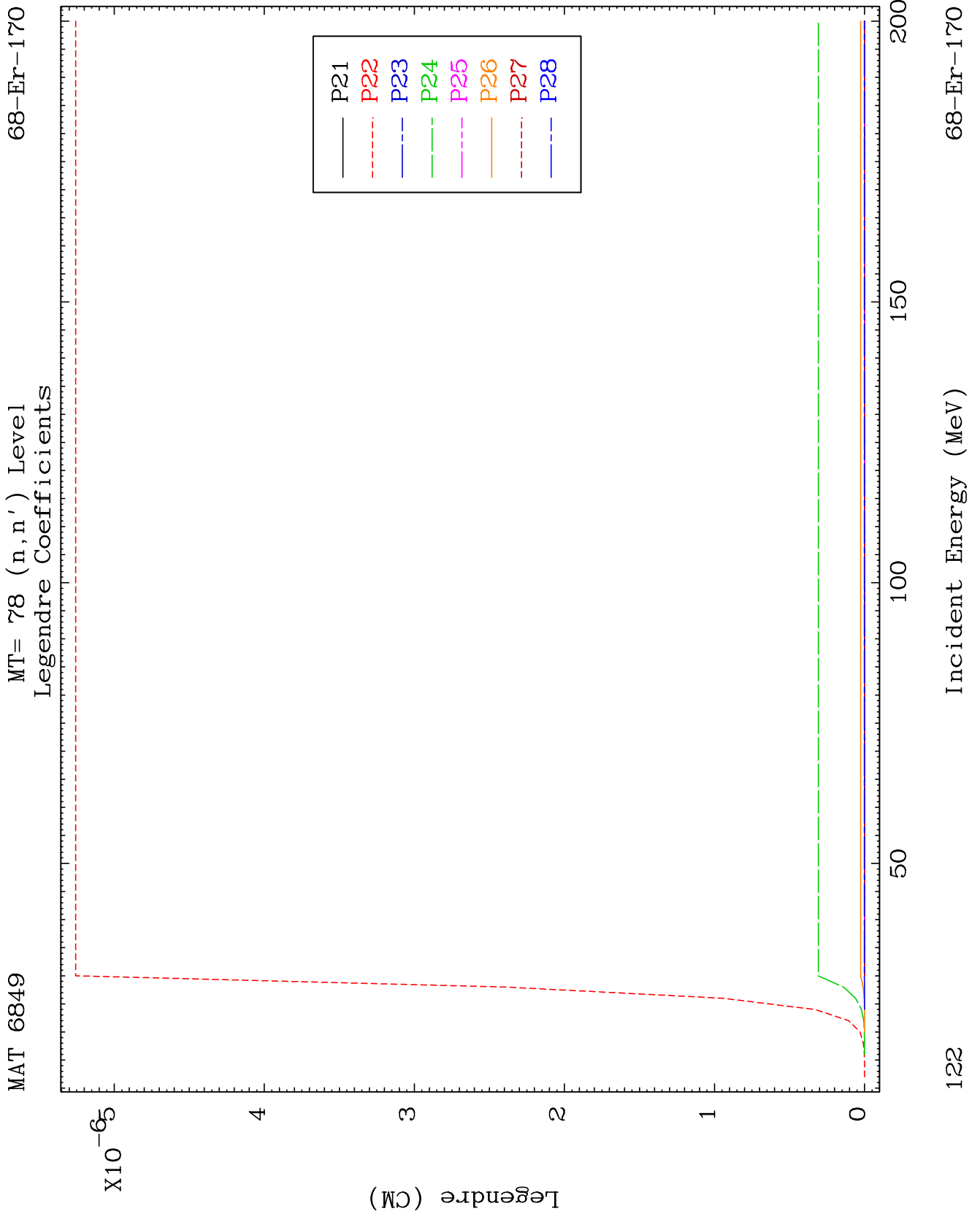
68-Er-170



121

Incident Energy (MeV)

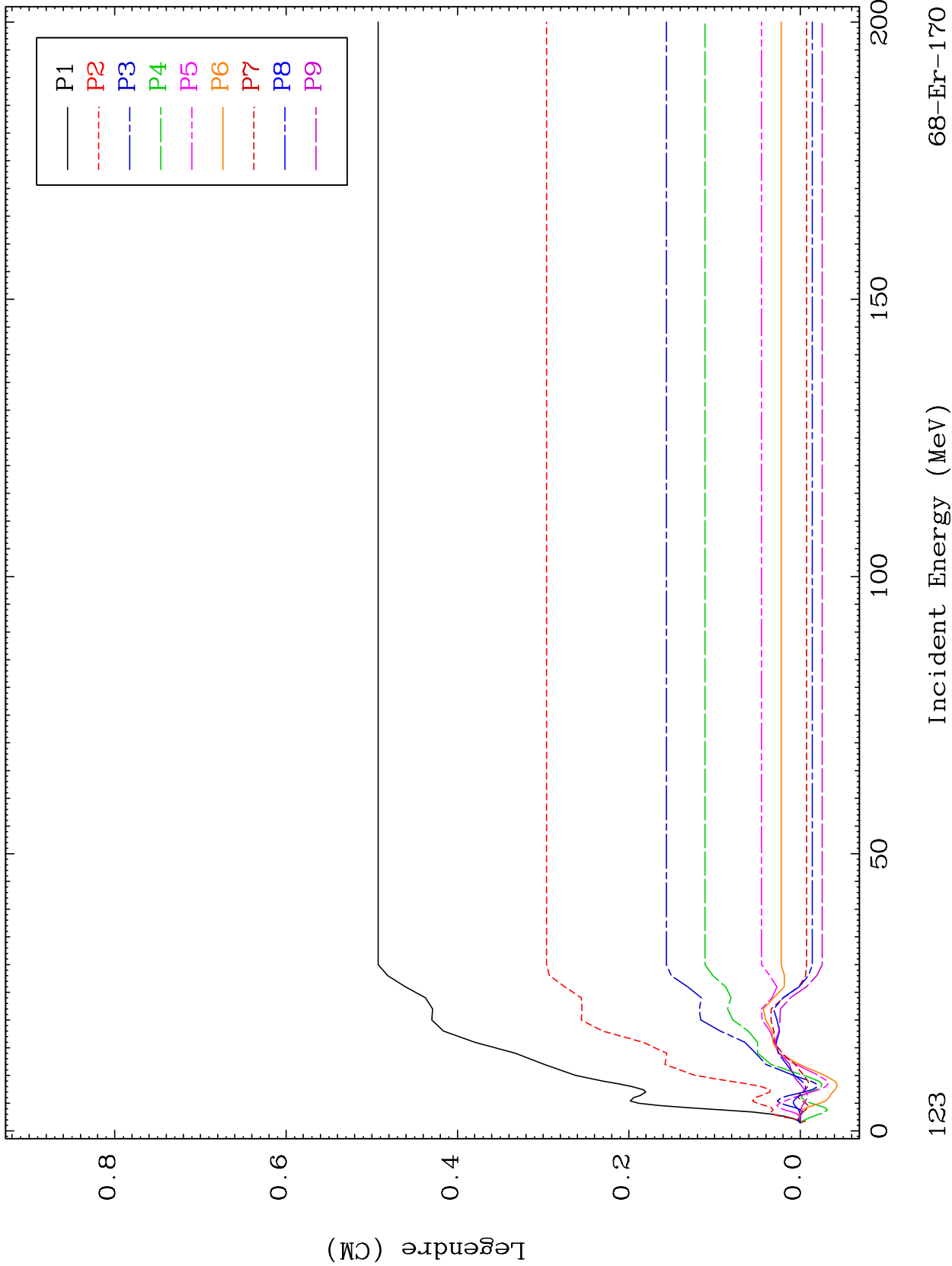
68-Er-170



MAT 6849

MT= 79 (n,n') Level
Legendre Coefficients

68-Er-170



68-Er-170

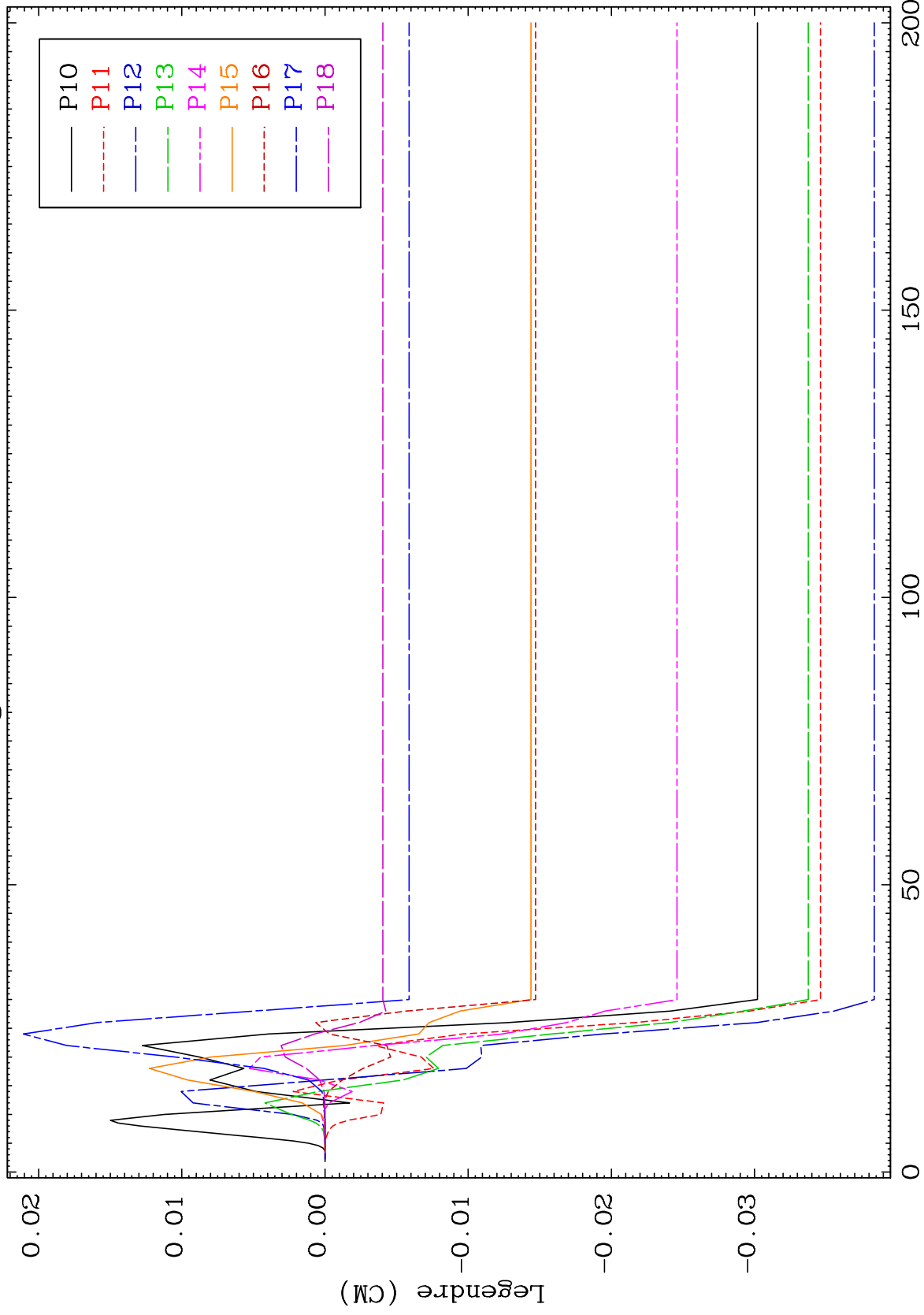
Incident Energy (MeV)

123

MAT 6849

MT= 79 (n,n') Level
Legendre Coefficients

68-Er-170



124

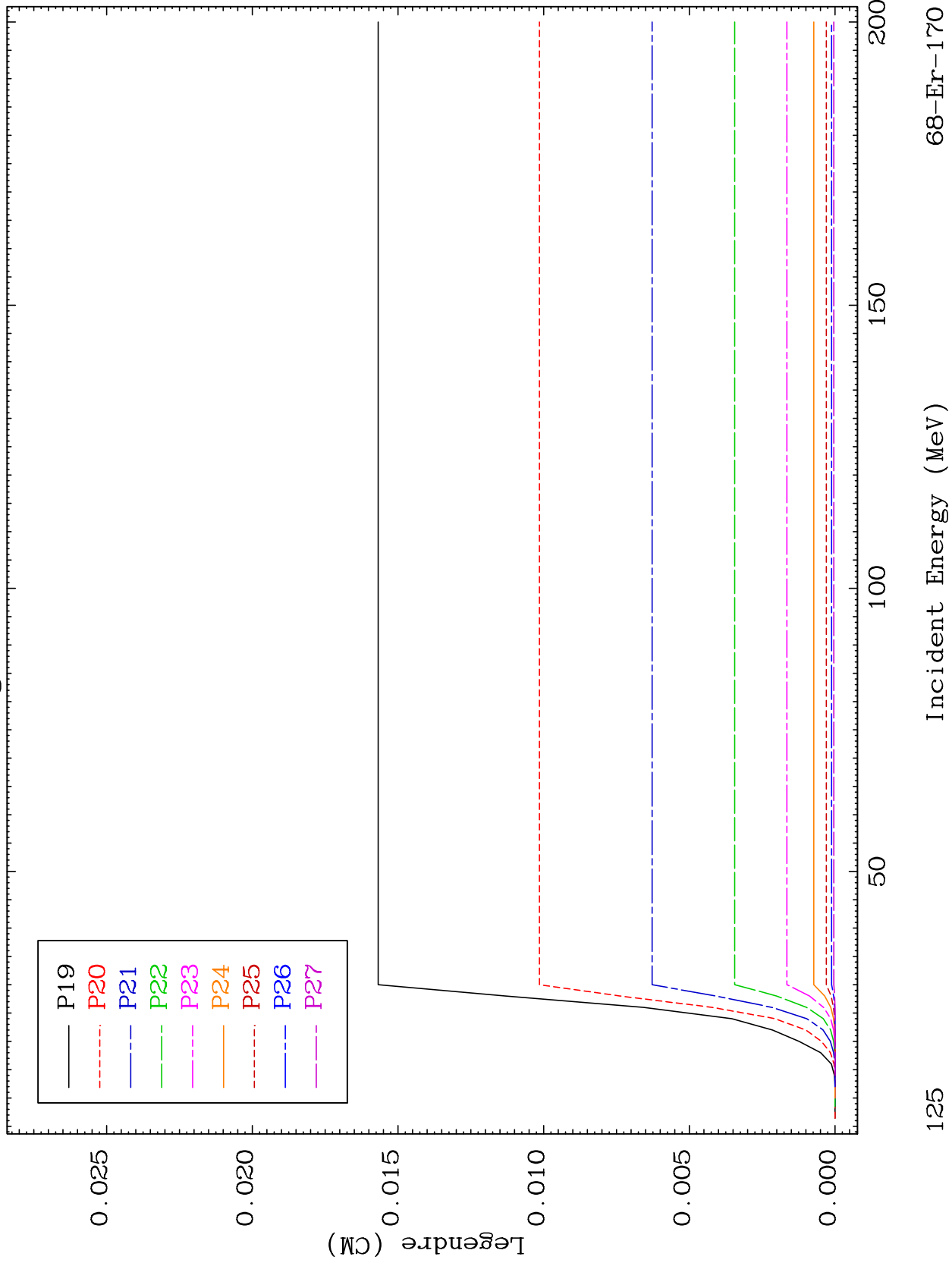
Incident Energy (MeV)

68-Er-170

MAT 6849

MT= 79 (n,n') Level
Legendre Coefficients

68-Er-170



68-Er-170

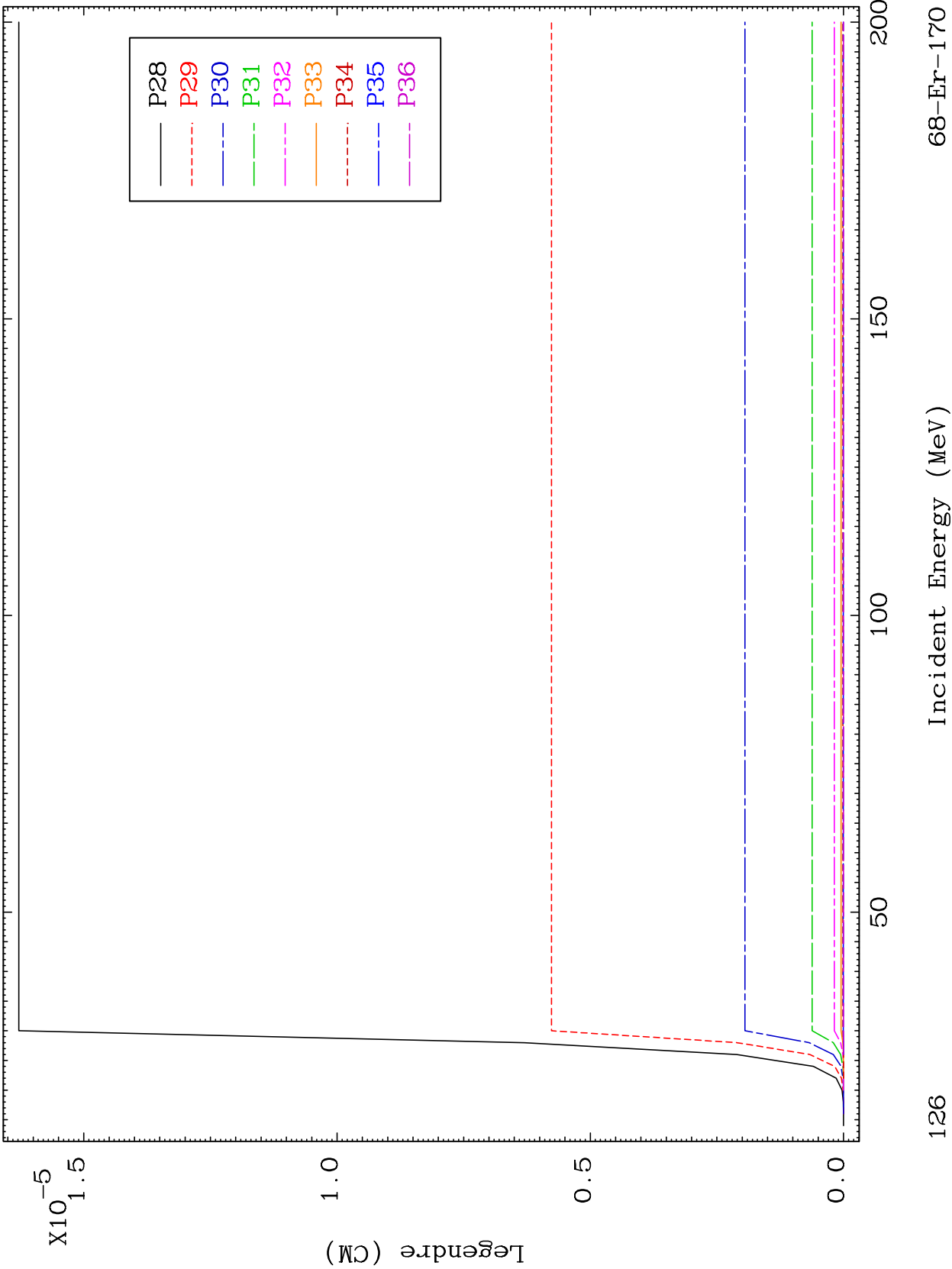
Incident Energy (MeV)

125

MAT 6849

MT= 79 (n,n') Level
Legendre Coefficients

68-Er-170



126

Incident Energy (MeV)

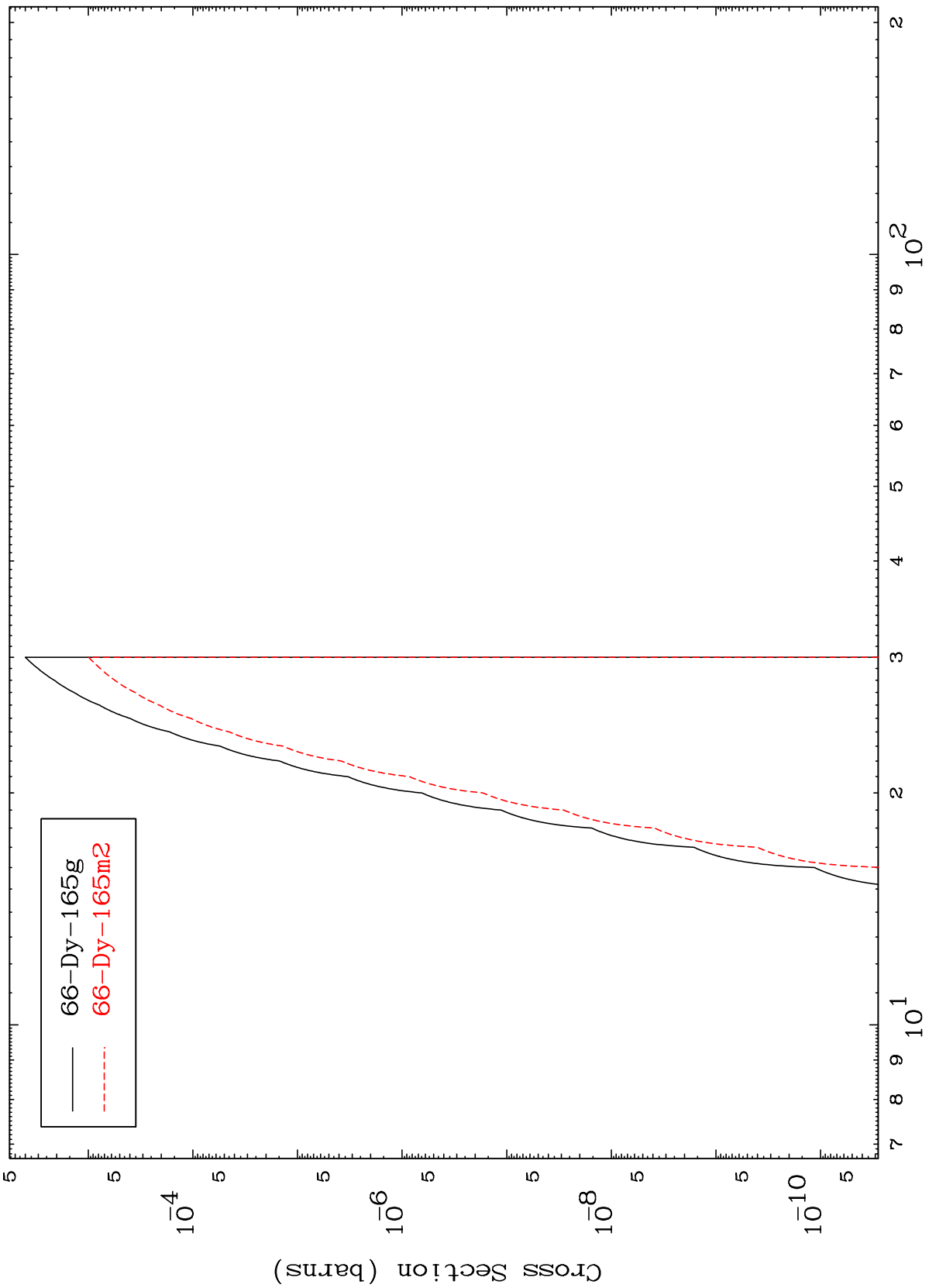
68-Er-170

MAT 6849

$(n,2n) \alpha$

68-Er-170

Radionuclide Production Cross Section

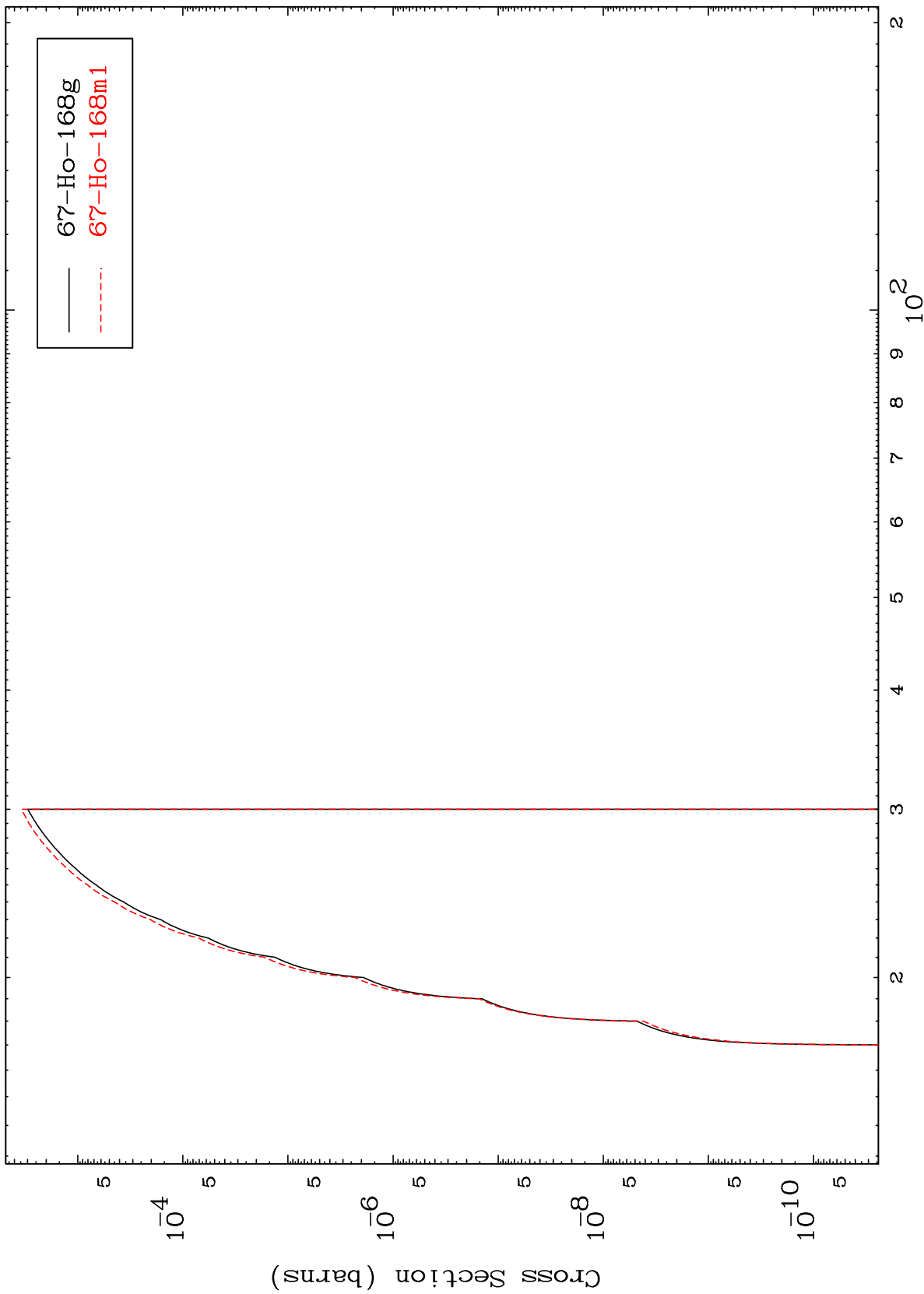


127

Incident Energy (MeV)

68-Er-170

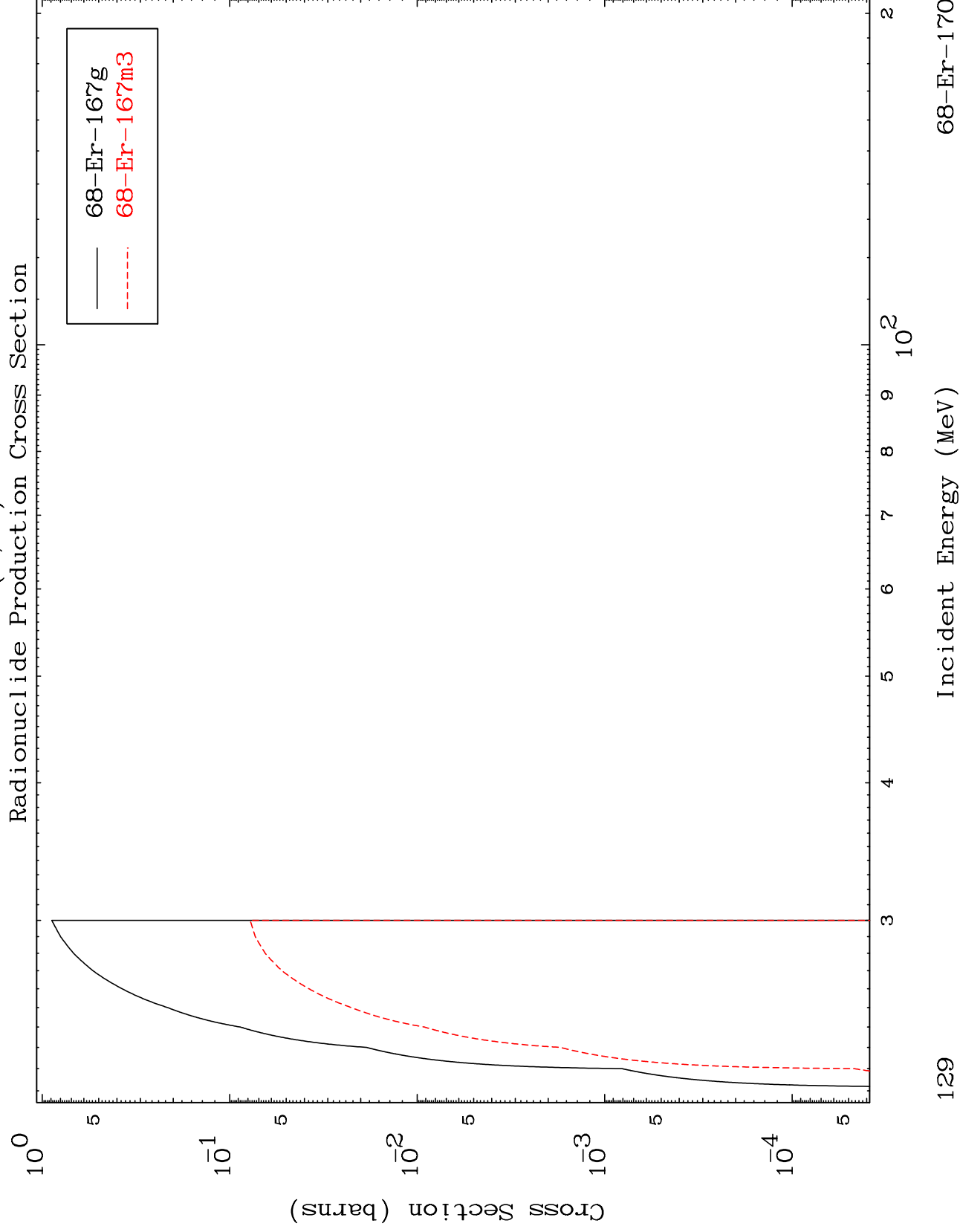
Radionuclide Production Cross Section



MAT 6849

(n,4n)

68-Er-170



129

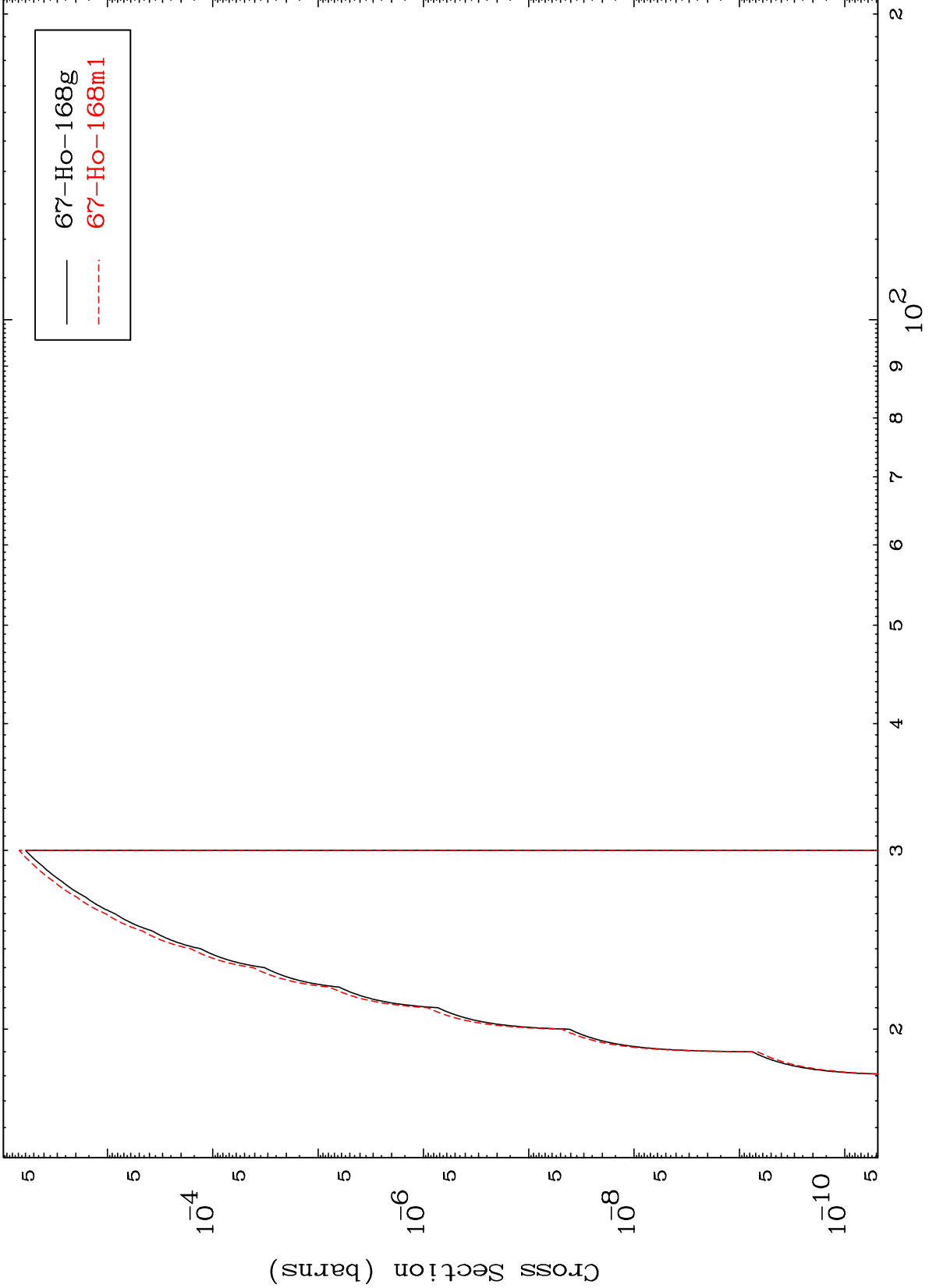
68-Er-170

MAT 6849

(n,2n) p

68-Er-170

Radionuclide Production Cross Section



67-Ho-168g
67-Ho-168m1

130

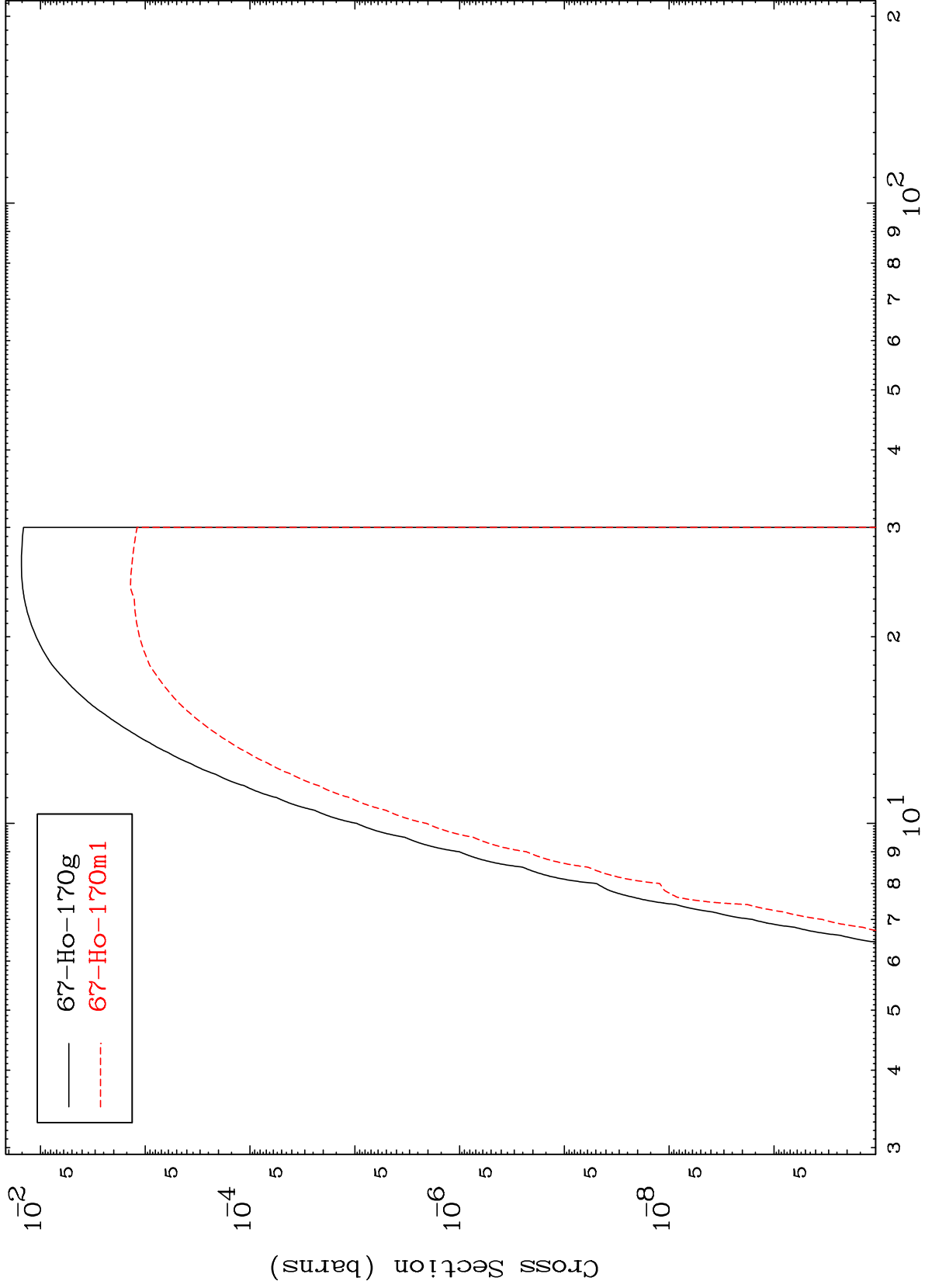
Incident Energy (MeV)

68-Er-170

MAT 6849

68-Er-170

(n,p)
Radionuclide Production Cross Section



131

Incident Energy (MeV)

68-Er-170

(n, t)
Radionuclide Production Cross Section

